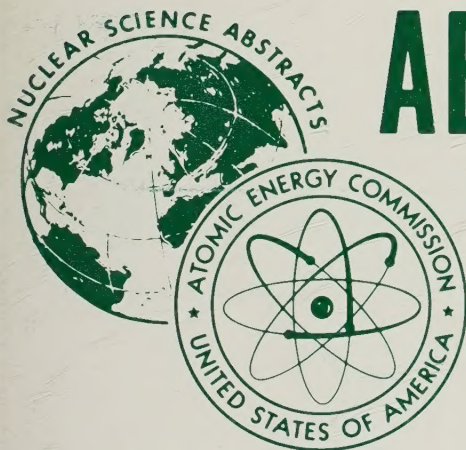


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ISHIHARA, T.

Accumulation of fallout ^{137}Cs in newborn infants, 23:50538

ISHIHARA, Toyokuki

Shielding effect of paraffin, water, soil, concrete, Fe, and Pb for high-energy neutrons, 23:51748

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effects on proliferation of cultured antigen-stimulated spleen cells from mice, dose-response curve for, 23:50820

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design for removal of cell-free *Streptococcus faecalis* from bacteria cultures in fermentation tank, 23:49996 (UCRL-18667, pp 322-9)

MEMBRANES

radiation effects on nuclear, in salivary gland cells of butterfly larvae, 23:50355

radiation effects on permeability of potassium ions through, of mouse ascites carcinoma cells, electron and x, 23:50817

radiation effects on, in mitochondria of intestinal epithelial cells in mice, cobalt-60 γ , 23:50816

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Technical report literature is indexed from the name of the organization or institution responsible for the issuance of the report.

51093 (LA-4164) FABRICATION OF BORON CARBIDE RINGS AND DISKS. Sheinberg, H.; Herrera, T.; Kostacopoulos, J. (Los Alamos Scientific Lab., N. Mex.). Apr. 25, 1969. Contract W-7405-eng-36. 11p. Dep. CFSTI.

is indexed as:

LOS ALAMOS SCIENTIFIC LAB., N. MEX.

Fabrication of boron carbide rings and disks, 23:51093 (LA-4164)

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48330	23-52305	CFSTI
48331	23-52451	CFSTI
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48743	23-51034	CFSTI
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Progress reports of various corporate entries are brought together under the corporate entry. The term "Progress report" is abbreviated as "Prog. rpt."

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- A. B. Atomenergi, Stockholm.
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- Aachen. Technische Hochschule.
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- ABCOR, INC., CAMBRIDGE, MASS.
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- Aberdeen Proving Ground, Md. Ballistic Research Labs.
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- ABERDEEN UNIV. (SCOTLAND). DEPT. OF GENETICS.
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- AC Electronics--Defense Research Labs., General Motors Corp., Santa Barbara, Calif.
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Fast electronics for fast neutron spectrometry for the cyclotron, 23:30853 (IFA-CRD-37)
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- ADVANCED CONVERTER TASK FORCE.
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- AERONAUTICAL RESEARCH ASSOCIATES OF PRINCETON, INC., N. J.
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Gamma radiation from fission fragments experimental apparatus, 23:49380 (AE-367)

Neutron elastic scattering cross sections, 23:52119 (AE-366)

Release of radioactive material in event of destruction of full Type A package, 23:588 (CONF-681001-, pp 646-62)

Scandinavian Radiation Chemistry Meeting, Studsvik and Stockholm, 9/69, 23:47454 (AE-368)

Silicon diode dosimeter for fast neutrons, 23:9755 (AE-339)

ALABAMA POWER CO., BIRMINGHAM.

Seala Nuclear Plant, Unit 1 preliminary safety analysis report, Vol. 2, 23:52265 (DOCKET-50348-3)

Seala Nuclear Plant, Unit 1 preliminary safety analysis report, Vol. 4, 23:52267 (DOCKET-50348-5)

Seala Nuclear Plant, Unit 1 preliminary safety analysis report, Vol. 3, 23:52266 (DOCKET-50348-4)

Seala Nuclear Plant, Unit 1 preliminary safety analysis report, Vol. 1, 23:52264 (DOCKET-50348-2)

Seala Nuclear Plant, Unit 1: license application, 23:52263 (DOCKET-50348-1)

ALASKA UNIV., COLLEGE. GEOPHYSICAL INST.

Ground based auroral observations coordinated with simultaneous satellite measurements, 23:16704 (AD-672848)

Magnetic field and energy of an axisymmetric Van Allen belt, 23:51444 (AD-681438)

Prog. rpt. on magnetospheric substorms, annual, 9/69, 23:51460 (RLO-2096-1)

ALASKA UNIV., COLLEGE. INST. OF MARINE SCIENCE.

Prog. rpt. on pathways of trace elements in Arctic lake ecosystems, 4/15/68-4/14/69, 23:29424 (SAN-310-P-4-6)

ALBERT EINSTEIN MEDICAL CENTER, PHILADELPHIA, PA. DEPT. OF GENETICS.

Prog. rpt. on ultraviolet light effects on nucleic acid formation and genetics events in bacteria, 4/69, 23:31685 (NYO-3893-10)

ALBERT EINSTEIN MEDICAL CENTER, PHILADELPHIA, PA. LAB. OF EXPERIMENTAL DERMATOLOGY.

Prog. rpt. on mechanism of increased extracellular epidermal DNase I activity after β -irradiation injury, annual, 4/15/68-4/15/69, 23:31641 (NYO-3445-18)

ALBUQUERQUE OPERATIONS OFFICE (AEC), N. MEX.

Survey of fissile material shipping containers for both national and international shipments, 23:583 (CONF-681001-, pp 487-500)

All-Union Scientific Research Inst. of Radiation Technology, Moscow.

see Vsesoyuznyi Nauchno-Issledovatel'skii Institut Radiatsionnoi Tekhniki, Moscow (USSR).

ALLGEMEINE ELEKTRICITAETS-GESELLSCHAFT, FRANKFURT AM MAIN (WEST GERMANY).

Prog. rpt. on separation cyclones for boiling water reactors, 4-6/68, 23:23895 (EURAC-2062)

ALLGEMEINE ELEKTRICITAETS-GESELLSCHAFT, FRANKFURT AM MAIN (WEST GERMANY). KERNENERGIEANLAGEN.

Prog. rpt. on cyclones for steam separation in boiling water reactors, annual, 1967, 23:17238 (EURAC-2048)

Prog. rpt. on cyclones for steam separation in boiling water reactors, 10-12/67, 23:43105 (EURAC-1966)

Prog. rpt. on cyclones for steam separation in boiling-

- water reactors, 1--3/68, 23:43106 (EURAC-2029)
Prog. rpt. on investigations on cyclones for steam separation in boiling water reactors, 7--9/67, 23:52334 (EURAC-2104)
- ALLGEMEINE ELEKTRICITAETS-GESELLSCHAFT, GROSSWELZHEIM (WEST GERMANY).
Fast steam cooled reactor: system pressure consideration, 300 MWe prototype and testbed for fuel elements, 23:11159 (CONF-680419, pp 111-26)
- ALLGEMEINE ELEKTRICITAETS-GESELLSCHAFT, AEG-TELEFUNKEN, FRANKFURT AM MAIN (WEST GERMANY).
Wuergassen nuclear power plant: Informatory report, 23:13347 (AEC-tr-6956)
- ALLIED CHEMICAL NUCLEAR PRODUCTS, INC., FLORHAM PARK, N.J.
Barnwell Nuclear Fuel Plant safety analysis report, Amend. 2, 23:24274 (DOCKET-50332-4)
Barnwell Nuclear Fuel Plant safety analysis report, Amend. 3, 23:43381 (DOCKET-50332-5)
- ALLIED CHEMICAL NUCLEAR PRODUCTS, INC., MORRISTOWN, N.J.
Barnwell Nuclear Fuel Plant safety analysis report, Vol. 1, 23:7426 (DOCKET-50332-1)
Barnwell Nuclear Fuel Plant safety analysis report, Vol. 2, 23:7427 (DOCKET-50332-2)
Barnwell Nuclear Fuel Plant: license application, 23:7428 (DOCKET-50332-3)
- ALLIS-CHALMERS MFG. CO., BETHESDA, MD. ATOMIC ENERGY DIV.
La Crosse Boiling Water Reactor: operational report, 7/69, 23:47096 (DOCKET-1155-7)
- LACBWR operating manual. II, 23:4086 (ACNP-68505-C)
LACBWR operating manual. IV, 23:1965 (ACNP-68505-D)
LACBWR operating manual. V, 23:1966 (ACNP-68505-E)
LACBWR operating manual. VI, 23:1967 (ACNP-68505-F)
LACBWR operating manual. VII, 23:1968 (ACNP-68505-G)
LACBWR operating manual. VII, 23:9067 (ACNP-68505-G (Suppl.))
LACBWR operating manual. VIII, 23:1969 (ACNP-68505-H)
LACBWR operating manual. XI, 23:1970 (ACNP-68505-K)
- ALLMANNA SVENSKA ELECTRISKA A. B., VASTERAS.
New type of reactor containment of prestressed concrete, 23:31103 (CONF-681101-38)
Vaertan safety features, 23:37384 (NP-17901)
- ALTERNATE COOLANT TASK FORCE.
Evaluation of alternate coolant fast breeder reactors, 23:34897 (WASH-1090)
- ALUMINUM CO. OF AMERICA, PITTSBURGH, PA.
Aluminum, 23:29978 (CONF-680810, pp 137-61)
- AME ASSOCIATES, PRINCETON, N. J.
see also Affiliated Medical Enterprises, Princeton, N.J.
Prog. rpt. on long-term dog feeding experiments of radiation-pasteurized foods, final, 8/20/68, 23:8095 (NYO-3573-1)
- AMERICAN INSTITUTES FOR RESEARCH, PITTSBURGH, PA.
Performance of nuclear reactor operators, 23:9121 (NYO-3288-10)
- AMERICAN MACHINE AND FOUNDRY CO., NEW YORK.
SURFSIDE plant for desalination, 23:43182 (CONF-670338, pp 19-33)
- AMERICAN MEDICAL ASSOCIATION EDUCATION AND RESEARCH FOUNDATION, CHICAGO, ILL. INST. FOR BIOMEDICAL RESEARCH.
Conformation studies on the neurohypophyseal hormone oxytocin and its analogs, 23:4491 (BNL-12496)
- AMERICAN NUCLEAR SOCIETY, CHICAGO, ILL.
Conference on gamma-ray production and transport and on civil defense shielding, Chicago, Ill., 11/67, 23:46525 (ANS-SD-7)
- AMERICAN NUCLEAR SOCIETY, HINSDALE, ILL.
Conference on resonance cross sections in the unresolved resonance region and application of Monte Carlo techniques to reactor physics, Toronto, Canada, 6/68, 23:15725 (ANS-RPD-1)
- AMERICAN NUCLEAR SOCIETY, SOUTHWESTERN OHIO SECTION.
Conference on fast reactor systems, materials, and components, Cincinnati, 4/68, 23:11155 (CONF-680419)
- AMERICAN NUCLEONICS CORP., GLENDALE, CALIF.
Transient electromagnetic interaction of the moon with the solar wind, 23:39365 (N-69-23630)
- AMERICAN RESEARCH CORP., FULLERTON, CALIF.
Fallout computational techniques, 23:29005 (AD-683778)
- AMERICAN SCIENCE AND ENGINEERING, INC., CAMBRIDGE, MASS.
Development of a molecular beam detection system and velocity selector, 23:47871 (AD-689829)
Fluorescence of air and nitrogen excited by energetic electrons, 23:18505 (AD-673995)
Prog. rpt. on atomic beam apparatus, 7/15/67--4/30/68, 23:3258 (N-68-28774)
- AMERICAN SOCIETY FOR METALS, METALS PARK, OHIO.
Properties of refractory metals, 23:48318
- AMERSHAM/SEARLE CORP., DES PLAINES, ILL.
Sample preparation for liquid scintillation counting, 23:35002 (NP-17919)
- AMES LAB., IOWA.
25 years of rare earths, 23:47423 (IS-RIC-2)
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Conference on reprocessing of nuclear fuels, Iowa State Univ., Ames, 8/69, 23:38023 (CONF-690801)
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- Ames Project. see Ames Lab., Iowa.
- Ames Research Center, National Aeronautics and Space Administration. see National Aeronautics and Space Administration, Moffett Field, Calif. Ames Research Center.
- Amsterdam. Instituut voor Kernfysisch Onderzoek. see Instituut voor Kernfysisch Onderzoek, Amsterdam (Netherlands).
- AMSTERDAM UNIV. (NETHERLANDS). Some applications of non-destructive activation analysis, 23:49765
- AMSTERDAM UNIV. (NETHERLANDS). NATUURKUNDIG LABORATORIUM. Magnetic properties of rare earth--indium compounds, 23:8650 (CONF-681020-(Vol.1), pp 91-103)
- AMSTERDAM UNIV. (NETHERLANDS). ZEEMAN-LABORATORIUM. HPD--CDC 3200 system at Amsterdam, 23:33499 (ANL-7515, pp 164-72)
- ANDERSON (M. D.) HOSPITAL AND TUMOR INST., HOUSTON, TEX. Effects of radiation and other agents on molecular structure of chromosome, 23:14141 (ORO-2832-75) Energy response of LiF, CaF₂, and Li₂B₄O₇:Mn from 26 keV to 22 MeV, 23:7832 (CONF-680920-, pp 410-23) Prog. rpt. on radiation and biophysical studies on viruses and cells, annual, 10/12/67--10/11/68, 23:11995 (ORO-2832-74)
- ANDREWS UNIV., BERRIEN SPRINGS, MICH. Prog. rpt. on mechanical properties of separated metallic isotopes, final, 9/16/68, 23:983 (COO-972-12)
- ANSALDO S.p.A., GENOA (ITALY). Forced convection burnout and hydrodynamic instability experiments for water at high pressure. V, 23:9155 (EUR-4070)
- Applied Physics Lab., Johns Hopkins Univ., Silver Spring, Md. see Johns Hopkins Univ., Silver Spring, Md. Applied Physics Lab.
- APPLIED RESEARCH AND ENGINEERING LTD., DURHAM (ENGLAND). Cost of water from single-purpose multi-stage flash plant with vapor recompression, 23:49605 (STI/DOC-10/93)
- AQUILA UNIV. (ITALY). Improvement of sliding-scale analog-to-digital converters, 23:41121 (EUR-4289, pp 339-45)
- ARBED S.A., DUMMELDANGE (LUXEMBOURG). Test program for components in liquid sodium, 23:45489 (ANL-7520(Pt.1), pp 125-7)
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- Argentina. Comision Nacional de Energia Atomica, Buenos Aires. see Comision Nacional de Energia Atomica, Buenos Aires (Argentina).
- Argentina. Universidad Nacional de La Plata. see La Plata Universidad Nacional (Argentina).
- ARGONNE CANCER RESEARCH HOSPITAL, CHICAGO, ILL. Accidental radiogold (¹⁹⁸Au) liver scan overdose with fatal outcome, 23:41464 (ACRH-1000-129) Argonne radium studies, 23:22426 (ANL-7531) Chromosomes in the myelodysplasias, 23:7436 (ACRH-1000-75) Comparison between sensitivity and resolution based on a clinical evaluation with the acrh brain scanner, 23:35784 (ACRH-31, pp 1-11) Comparison between sensitivity and resolution based on clinical evaluation with ACRH brain scanner, 23:604 (ACRH-1000-68) Comparison of ⁶⁷Ga, ^{99m}Tc, and ^{113m}In used with γ camera and 3-inch and 5-inch scanners for visualization of lesions in the brain, kidney, liver, and lung, 23:6488 (ACRH-1000-82) Depth dose studies in electron beam therapy: effects on anagen mouse hairs, 23:35861 (ACRH-31, pp 45-53) Development of response to erythropoietin and repletion of the stem cell compartment after irradiation, 23:29391 (ACRH-30, pp 38-48) Effects of scattered radiation on scintillation detector response, 23:606 (ACRH-1000-79) Effects of scattered radiation on scintillation detector response, 23:35786 (ACRH-31, pp 25-44) Evaluation of scanning procedures in terms of information theory, 23:605 (ACRH-1000-72) Evaluation of scanning procedures in terms of information theory, 23:35785 (ACRH-31, pp 12-24) Human total-body retention and excretory routes of ⁷⁵Se from selenomethionine, 23:29309 (ACRH-30, pp 49-57) In vitro behavior of stem cells, 23:29390 (ACRH-30, pp 1-7) Kinetics and radiation sensitivity of dendritic macrophages, 23:29392 (ACRH-30, pp 58-64) Ophthalmological aspects of carcinoma of the sphenoid sinus induced by radium poisoning, 23:29820 (ACRH-30, pp 92-6) Optical processing of radionuclide images, 23:38239 (ACRH-1000-130)
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Prog. rpt. on biology and medicine, annual, 1968, 23:45859 (ANL-7535)

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Prog. rpt. on physics, annual, 4/67--3/68, 23:17103 (ANL-7481)

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Prog. rpt. on reactor development program, 3/69, 23:26018 (ANL-7561)

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Argonne National Lab., Ill. Summer Engineering Practice School.
see AUA-ANL Summer Engineering Practice School, Argonne, Ill.

Argonne Universities Association, Ill. Summer Engineering Practice School.
see AUA-ANL Summer Engineering Practice School, Argonne, Ill.

ARIZONA STATE UNIV., TEMPE.
Prog. rpt. on solid state chemistry of rare earth oxides, annual, 1968--69, 23:43287 (COO-1109-46)

Thermodynamic behavior of praseodymium oxide system, 23:8298 (CONF-681020-(Vol.1), pp 163-73)

ARIZONA UNIV., TUCSON.
American nuclear 1968 conference for the western states, 23:52303 (CONF-680328-(Absts.))

Equations of reactor dynamics, 23:47302 (CNM-R-2(Vol.2), pp 994-1014)

Prog. rpt. on nuclear physics, annual, 1--12/68, 23:19200 (COO-1468-3)

Reactor dynamics: foundation nuclear safety, 23:43191 (CONF-670846-, pp 95-135)

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ARIZONA UNIV., TUCSON. DEPT. OF CHEMISTRY.
Prog. rpt. on determining the effect of structure and environment on the radiation and non-radiation probabilities in metal complexes, annual, 6/15/68--6/15/69, 23:34953 (COO-773-19)

ARIZONA UNIV., TUCSON. DEPT. OF NUCLEAR ENGINEERING.
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Prog. rpt. on dynamics of a fast reactor with in-core thermionic converters, annual, 9/67--8/68, 23:45114 (TID-25121)

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ARIZONA UNIV., TUCSON. ENGINEERING EXPERIMENT STATION.
Prog. rpt. on effect of simulated fission products in inter-electrode spacing of a thermionic diode, annual, 11/67--10/68, 23:36550 (AD-686668)

ARIZONA UNIV., TUCSON. FIELD EMISSION AND SPACE SYSTEMS LAB.
Multipoint field ionization source, 23:20045 (N-68-36738)

ARIZONA UNIV., TUCSON. LAB. OF ISOTOPE GEOCHEMISTRY.
Prog. rpt. on correlation and chronology of ore deposits and volcanic rocks, annual, 7/1/69, 23:45396 (COO-689-120)

ARKANSAS POWER AND LIGHT CO., LITTLE ROCK.

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 Arkansas Univ., Fayetteville. Dept. of Electrical Engineering. Plasma Lab.
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 ARKANSAS UNIV., LITTLE ROCK.
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 Sleep profiles of the monkey as affected by gamma--neutron radiation, 23:29727 (AD-675041)
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 ARMERAD BETONG A. B., MALMO (SWEDEN).
 New type of reactor containment of prestressed concrete, 23:31103 (CONF-681101-38)
 Army. Ballistic Research Labs., Aberdeen Proving Ground, Md.
 see Ballistic Research Labs., Aberdeen Proving Ground, Md.
 ARMY OLD REGIONS RESEARCH AND ENGINEERING LAB., HANOVER, N. H.
 Background radiation in aquatic habitats in Alaska, 23:18007 (CONF-670503-, pp 319-28)
 ARMY ELECTRONICS COMMAND, FORT MONMOUTH, N. J.
 Matching of topside and bottomside electron density profiles of ionosphere, 23:44242 (AD-684914)
 Method of calculating radar reflectivity of nuclear clouds, 23:33286 (AD-684918)
 Thermoelectric generators PP-6074 ()/U and PP-6075 ()/U, 23:30376 (AD-682722)
 ARMY ENGINEER DISTRICT, FORT WORTH, TEX.
 Construction techniques and costs for emplacement of nuclear explosives in disturbed media, 23:33287 (NCG-TR-10)
 Construction techniques and costs for underground emplacement of nuclear explosives, 23:35357 (PNE-5004-F)
 ARMY ENGINEER DISTRICT, OMAHA, NEBR.
 Geologic investigations and engineering properties of craters. project pre-gondola i, 23:35356 (PNE-1103)
 ARMY ENGINEER NUCLEAR CRATERING GROUP, LIVERMORE, CALIF.
 Construction techniques and costs for underground emplacement of nuclear explosives, 23:35357 (PNE-5004-F)
 Crater studies: surface motion, Project PRE-GONDOLA I, 23:17637 (PNE-1107(Pt.2))
 Geologic investigations and engineering properties of craters. project pre-gondola i, 23:35356 (PNE-1103)
 Nuclear construction engineering technology, 23:17636 (NCG-TR-2)
 Nuclear excavation design of a transisthmian sea-level

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Arthur D. Little, Inc., Cambridge,

canal, 23:13894 (NCG-TR-6)
 Project Pre-Gondola: survival of hypothetical preemplaced charges, 23:13890 (NP-17756)
 Project ZULU II: laboratory scale row-charge cratering series, 23:13893 (NCG-TR-5)
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 Surface motion measurements, 23:484 (PNE-513)
 Surface motion measurements: Project Pre-SCHOONER, 23:11682 (PNE-506-F)
 ARMY ENGINEER REACTORS GROUP, FORT BELVOIR, VA.
 Prog. rpt. on environmental monitoring program, annual, 1--12/68, 23:31430 (AD-684330)
 ARMY ENGINEER REACTORS GROUP, FORT BELVOIR, VA. ENGINEERING DEPT.
 see also Army Engineer Reactors Group, Fort Belvoir, Va. Engineering Div.
 Health physics--process control reference manual. I, 23:38603 (AD-677369)
 Health physics--process control reference manual. II, 23:38567 (AD-677370)
 Health physics--process control reference manual. III, 23:38604 (AD-677371)
 ARMY ENGINEER REACTORS GROUP, FORT BELVOIR, VA. ENGINEERING DIV.
 Environmental radiation monitoring program, MH-1A nuclear power plant, Fort Davis, Canal Zone, 23:40874 (AD-682732)
 Prog. rpt. on environmental radiation monitoring program, SM-1A Nuclear Power Plant, annual, 1968, 23:45117 (AD-685818)
 Technical evaluation of PM-1 Nuclear Power Plant and related programs, 23:45118 (AD-686341)
 ARMY ENGINEER WATERWAYS EXPERIMENT STATION, VICKSBURG, MISS.
 Close-in ground motion and earth stress, 23:2441 (PNE-1113)
 Methods for analyzing stability of crater slopes, 23:17634 (AD-673997)
 Preshot geologic and engineering properties investigations, 23:43400 (PNE-322)
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 Project Pre-Gondola: survival of hypothetical preemplaced charges, 23:13890 (NP-17756)
 Test devices blast load generator facility, 23:45436 (AD-687366)
 Army Materiel Command. Harry Diamond Labs., Washington, D. C.
 see Harry Diamond Labs., Washington, D. C.
 ARMY MISSILE COMMAND, REDSTONE ARSENAL, ALA.
 Magnetic field dependence of Eu nuclear resonance in ferromagnetic EuS, 23:8659 (CONF-681020-(Vol.1), pp 347-58)
 ARMY NATICK LABS., MASS.
 Analysis of biologic tissue without chemical separation, 23:11448 (CONF-671111-, pp 471-90)
 ARMY NUCLEAR DEFENSE LAB., EDGEWOOD ARSENAL, MD.
 Calculations with UNC-SAM-2 of exposure rates measured in an open basement, 23:21918 (AD-675410)
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 Neutron transmission and albedo data for borated polyethylene, 23:12939 (AERE-R-5773(Vol.1), pp 172-204)
 Prefabricated emergency incinerator for radioactive wastes, 23:21924 (CONF-680821-, pp 362-7)
 Prog. rpt. on mechanisms of fallout particle formation, annual, 3/67, 23:45356 (AD-687275)
 Radioactive liquid waste concentration in a disposable container, 23:21920 (AD-675426)
 Silver phosphate glass dosimetry, 23:29230 (AD-681891)
 Thermoluminescent dosimetry and its use at Army Nuclear Defense Laboratory, 23:31561 (AD-684910)
 ARNOLD ENGINEERING DEVELOPMENT CENTER, ARNOLD AIR FORCE STATION, TENN.
 Electrical characteristics of gasdynamic boundary layers in seeded diatomic gases, 23:1405 (AD-671528)
 Measurement of excitation and electron temperature in a nitrogen plasma, 23:23079 (AD-675210)
 ARO, INC., ARNOLD AIR FORCE STATION, TENN.
 Electrical characteristics of gasdynamic boundary layers in seeded diatomic gases, 23:1405 (AD-671528)
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 Arthur D. Little, Inc., Cambridge, Mass.
 see Little (Arthur D.) Inc., Cambridge, Mass.

ASEA, Vasteras, Sweden.

see Allmänna Svenska Elektriska A. B., Vasteras.

ASSOCIATED MINERAL CONSOLIDATED LTD., SOUTHPORT (AUSTRALIA).

Solvent extraction of U from slurries, 23:45364 (CONF-690815-4)

ASSOCIATION OF AMERICAN RAILROADS, WASHINGTON, D.C.

Legal problems in the transportation of radioactive materials, 23:558 (CONF-681001-, pp 124-35)

ATLANTIC RICHFIELD HANFORD CO., RICHLAND, WASH.

Compilation of physical and chemical properties of materials and streams encountered in the chemical processing department, 23:7497 (ARH-724(Add.))

Continuous incineration of plutonium-bearing scrap, 23:47580 (ARH-SA-39)

Criticality handbook. I, 23:4458 (ARH-600(Vol.1))

Criticality prevention during the storing and transporting of fissile materials in the chemical processing division, 23:9677 (ARH-952)

Dc arc excitation of impurities in plutonium dioxide using carrier distillation techniques, 23:31276 (ARH-SA-32)

Dose rates for cylindrical source volumes from fission products through lead, iron, and concrete, 23:3533 (ARH-46)

Evaluation of inertia welding for high level waste encapsulation, 23:24401 (ARH-1058)

Hanford exploratory deep well, 23:40855 (ARH-SA-47)

Improvements in radiochemical analysis and data reduction of environmental air samples, 23:31297 (ARH-SA-29)

Neptunium measurement system of the Purex fuels separations plant, 23:31396 (ARH-SA-35)

On-line computer and data transmission network supporting two nuclear analytical laboratories, 23:717 (ARH-SA-19)

Photography in underground radioactive waste storage tanks, 23:40965 (ARH-1206)

Plutonium assay by controlled potential coulometry, 23:31275 (ARH-SA-31)

Plutonium for recovery from scrap at Atlantic Richfield Hanford Co, 23:28939 (ARH-SA-26)

Pressure build-up of plutonium nitrate solutions in sealed shipping containers, 23:43487 (ARH-1093)

Process for purification of fission product Rh, Pd, and Tc recovered from aged purex supernatant wastes, 23:33245 (ARH-911)

Properties of potential uranium precipitates as related to chemical processing, 23:19690 (ARH-147)

Radioactive waste management policies and practices, 23:24412 (ARH-SA-30)

Recovery of Am, Cm, and Pm from Shippingport reactor fuel reprocessing wastes by successive TBP and D2EHPA extractions, 23:6196 (ARH-SA-4)

Recovery of palladium from nuclear waste solutions using a packed column of tricapryl monomethyl ammonium chloride on an inert support, 23:31395 (ARH-SA-28)

Recovery of Rh, Pd, and Tc from aged reprocessing wastes, 23:33244 (ARH-733)

Recovery of rhodium, palladium, and technetium on strongly basic anion exchange resin, 23:43379 (ARH-1279)

Rhodium species in radioactive waste solutions, 23:9501 (ARH-732)

Safe ²³⁵U enrichments for purex facility, 23:9500 (ARH-407)

Treatment of Hanford nuclear fuels processing wastes to permit long-term storage, 23:47581 (ARH-SA-51)

Use of AgCl-LiF as carrier in spectrographic analysis of Pu for Co, 23:26156 (ARH-1079)

ATLANTIC RICHFIELD HANFORD CO., RICHLAND, WASH.

SEPARATIONS CHEMISTRY LAB.

Aqueous citrate for plutonium-uranium processing, 23:13809 (ARH-SA-20)

Atomenergi, A. B., Stockholm.

see Aktiebolaget Atomenergi, Stockholm (Sweden).

ATOMENERGIKOMMISSIONEN, COPENHAGEN (DENMARK).

Prog. rpt. on Danish Atomic Energy Commission, annual, 1967--68, 23:13604 (NP-17754)

AtomenergiKommissionen, Risoe, Denmark. Forsoegsinstitut. see Danish Atomic Energy Commission, Risoe. Research Establishment.

AtomenergiKommissionens Forsoegsanlaeg, Risoe, Denmark. see Danish Atomic Energy Commission, Risoe. Research Establishment.

ATOMIC BOMB CASUALTY COMMISSION, HIROSHIMA (JAPAN).

Hematological findings for children exposed in utero--hiroshima, 23:6486 (ABCC-TR-26-60)

Lung cancer and atomic bomb exposure, Hiroshima--Nagasaki, 1950--66, 23:41417 (ABCC-TR-12-67)

Prog. rpt., annual, 7/67--6/68, 23:24750 (ABCC-67-68)

Relationship of lactic dehydrogenase isozymes to the metabolism of cultured human leukocytes, 23:4485 (ABCC-TR-7-66)

Research protocols, 7/66--6/67, 23:850 (ABCC-66-67(Suppl.))

ATOMIC BOMB CASUALTY COMMISSION, NAGASAKI (JAPAN).

Lung cancer and atomic bomb exposure, Hiroshima--Nagasaki, 1950--66, 23:41417 (ABCC-TR-12-67)

Prog. rpt., annual, 7/67--6/68, 23:24750 (ABCC-67-68)

ATOMIC ENERGY BOARD, PELINDABA, PRETORIA (SOUTH AFRICA).

Bibliography on nuclear power economics, 1965--66,

23:9180 (PEL-167)

Environmental radioactivity at National Nuclear Research Center, Pelindaba, 23:6450 (PEL-181)

High-resolution fast neutron cross sections of iron, 23:8955 (PEL-180)

Reading list on applications of isotopes in industry, 23:38184 (PEL-189)

Safety report on Pelindaba critical experiments, 23:4318 (PEL-170)

TRANSMIT: computer program to evaluate a multi-electrode electron gun, 23:20047 (PEL-184)

ATOMIC ENERGY BOARD, PRETORIA (SOUTH AFRICA).

Removal-diffusion neutron shielding calculational method, 23:13452 (AERE-R-5773(Vol.1), pp 76-85)

ATOMIC ENERGY BOARD, PRETORIA (UNION OF SOUTH AFRICA).

see also Atomic Energy Board, Pretoria (South Africa).

ATOMIC ENERGY CENTRE, DACCA (PAKISTAN).

Effect of gamma irradiation on ascorbic acid content of Amritsagar bananas, 23:35632 (AECD/RB-10)

Extraction of zirconium with mixed solvents from nitric acid solutions, 23:19813 (AECD/CH-12)

Irradiation preservation and disinfection of certain tropical fruits, 23:38902 (AECD/RB-9)

Mutagenic effect of gamma rays on the immature and mature sperms of silkworm, Bombyx mori, 23:6407 (AECD/RB-8)

Relativistic tables of neutron energies from T(p,n), D(d,n), R(d,n) and Li(p,n) reactions, 23:37096 (AECD/EP-17)

ATOMIC ENERGY CENTRE, LAHORE (PAKISTAN). HEALTH PHYSICS DIV.

PAEC's personnel monitoring film-badge service and desirability of providing a supplementary dosimeter, 23:14046 (PAECL/HP-9)

ATOMIC ENERGY CENTRE, LAHORE (PAKISTAN). LIBRARY DIV.

Bibliography on thermoelectricity, 23:44216 (AECL-PakLib-28)

Atomic Energy Commission, Aiken, S. C. Savannah River Ecology Lab.

see Savannah River Ecology Lab., Aiken, S. C.

ATOMIC ENERGY COMMISSION, ANKARA (TURKEY).

National commission on nuclear energy, 23:47725 (NP-17955)

Prog. rpt. of the radioactive fallout laboratory of Turkish Atomic Energy Commission, annual, 8/67--7/68, 23:41299 (NP-17952)

Prog. rpt. on radioactive fallout, annual, 8/66--7/67, 23:22285 (NP-17807)

Atomic Energy Commission, Bombay, India. Bhabha Atomic Research Centre.

see Bhabha Atomic Research Centre, Bombay (India).

Atomic Energy Commission, Risoe, Denmark. Research Establishment.

see Danish Atomic Energy Commission, Risoe. Research Establishment.

ATOMIC ENERGY COMMISSION, WASHINGTON, D. C.

Basic principles of U. S. fuel supply policy, 23:19582 (ORO-665, pp 9-29)

Californium-252: radioisotope with a future, 23:31479 (CONF-681032-, pp 1-9)

Enriching services and nuclear power, 23:17697 (ORO-665, pp 73-84)

Enrichment services economics, 23:17699 (ORO-665, pp 147-59)

Fast reactor systems for space power, 23:11308 (CONF-680419-, pp 41-60)

Forecasting long-range ecological recovery from nuclear attack, 23:50586 (CONF-671135-, pp 107-35)

Fundamental nuclear energy research, 1968, 23:17316

Major activities in atomic energy programs, 1--12/68, 23:17311 (TID-24945)

Nuclear systems for space power and propulsion, 23:43170 (CONF-670846-, pp 1-29)

Perspectives on controlled thermonuclear research, 23:6967 (TID-24804)

Protective and remedial measures taken following fallout, 23:20198 (CONF-680507-, pp 398-418)

Radiological emergency procedures for the non-specialist, 23:16293 (TID-24967)

Reactor and fuel-processing technology, Vol. 12, No. 2, 1969, 23:34887

Remarks by Arthur Schoenhaut, 23:43432 (CONF-680506-, pp 149-64)

Road to private ownership, 23:43500 (CONF-680506-, pp 97-106)

Selected background information on uranium enriching, 23:19907 (ORO-668)

Significance of Office of Safeguards and Materials Management, 23:43495 (CONF-680506-, pp 19-27)

Soil-plant relationships of radioactive nuclides in fallout, 23:50397 (CONF-671135-, pp 143-8)

U. S. progress in nuclear energy, 23:47167 (CNM-R-2(Vol.1), pp 70-93)

Velocity--space effects in the computer simulation of stellarator confinement, 23:1360 (LA-3990, pp D5.1-5)

ATOMIC ENERGY COMMISSION, WASHINGTON, D.C. ADVISORY COMMITTEE ON REACTOR SAFEGUARDS.

Monticello Nuclear Generating Plant, Unit 1: ACRS letter, 23:4124 (DOCKET-50263-17)

Monticello Nuclear Generating Plant, Unit 1: report on reactor site for Northern States Power Company, 23:4123 (DOCKET-50263-16)

Rancho Seco Nuclear Generating Station, Unit 1: ACRS

report, 23:7368 (DOCKET-50312-7)

Atomic Energy Commission. Albuquerque Operations Office.
see Albuquerque Operations Office (AEC), N. Mex.

Atomic Energy Commission. Argonne National Lab.
see Argonne National Lab., Ill.

Atomic Energy Commission. Brookhaven National Lab.
see Brookhaven National Lab., Upton, N. Y.

Atomic Energy Commission Computing and Applied Mathematics Center, New York Univ.
see New York Univ., N. Y. AEC Computing and Applied Mathematics Center.

Atomic Energy Commission. Div. of Biology and Medicine.
see Division of Biology and Medicine (AEC), Washington, D. C.

Atomic Energy Commission. Div. of Raw Materials.
see Division of Raw Materials (AEC), Washington, D. C.

Atomic Energy Commission. Div. of Reactor Development.
see Division of Reactor Development (AEC), Washington, D. C.

Atomic Energy Commission. Div. of Research.
see Division of Research (AEC), Washington, D. C.

Atomic Energy Commission. Idaho Operations Office.
see Idaho Operations Office (AEC), Idaho Falls.

Atomic Energy Commission. Knolls Atomic Power Lab., Schenectady, N. Y.
see Knolls Atomic Power Lab., Schenectady, N. Y.

Atomic Energy Commission. Los Alamos Scientific Lab., N. Mex.
see Los Alamos Scientific Lab., N. Mex.

Atomic Energy Commission. New Brunswick Lab., N. J.
see New Brunswick Lab. (AEC), N. J.

Atomic Energy Commission. Oak Ridge National Lab.
see Oak Ridge National Lab., Tenn.

Atomic Energy Commission. Savannah River Operations Office.
see Savannah River Operations Office (AEC), Aiken, S. C.

ATOMIC ENERGY CONTROL BOARD, OTTAWA (ONTARIO).
New regulations and their impact on the transportation of radioactive materials, 23:548 (CONF-681001-, pp 14-27)

Power reactor siting in Canada, 23:37362 (CONF-681101-34)

Atomic Energy Documentation Center, Gmelin Inst., Frankfurt am Main.
see Zentralstelle fuer Atomkernenergie-Dokumentation, Frankfurt am Main (West Germany).

ATOMIC ENERGY ESTABLISHMENT, INSHAS (EGYPT).
Levels of K and ^{137}Cs in man in UAR during 1968, 23:35703 (A-AC-82/G/L-1281)

Strontium-90 levels of fallout and food diet in UAR during 1968, 23:35702 (A-AC-82/G/L-1280)

ATOMIC ENERGY ESTABLISHMENT, TROMBAY (INDIA). ANALYTICAL DIV.
Hydrodynamic model of simple isotopic exchange, 23:2256 (AEET-218)

ATOMIC ENERGY ESTABLISHMENT, WINFRITH (ENGLAND).
Analysis of reactivity measurements in HECTOR on single plutonium-uranium oxide clusters, 23:21508 (AEW-R-499)

Coarse mesh correction for collision probabilities, 23:52440 (AEW-M-889)

Comparison of measurements and calculations of neutron spectrum in LIDO experimental shields, 23:13532 (AERE-R-5773(Vol.2), pp 571-96)

Comparison of spectra calculated by discrete ordinate methods with time-of-flight measurements in polythene, graphite, and sodium, 23:12944 (AERE-R-5773(Vol.1), pp 298-318)

Description of numerical methods used in FIFI 3B, 23:28592 (AEW-M-846)

Digital simulation of once through boiler dynamics, 23:26438 (AEW-M-794)

Dynamics of sodium vapour bubbles, 23:13937 (AEW-M-792)

Effects of a cosine axial heat flux distribution on burnout in a 12ft long annulus using Freon-12, 23:26439 (AEW-R-609)

Equipment for time-of-flight spectrum measurements on fast reactor ZEBRA, 23:52030 (AEW-M-896)

Erosion of common structural materials and the degradation of suspended particles in flowing suspension of graphite powder in carbon dioxide gas, 23:4456 (AEW-R-510)

Estimation of collision probabilities in complicated geometries, 23:37686 (AEW-M-857)

Evaluation of the neutron cross-section data for zirconium and its stable isotopes in the resolved resonance range, 23:49294 (AEW-M-921)

Experimental physics studies of steam-cooled fast reactor lattices, 23:49547 (AEW-R-560)

Follow up studies of a case of internal contamination with radioactive dust, 23:29310 (AEW-M-800)

Freon 7-rod cluster subchannel mixing experiments, 23:38158 (AEW-M-906)

GMS 3: users manual for an improved generalized multigroup scheme using WDSN MK2 for the KDF9 computer, 23:2101 (AEW-M-825)

Integral properties of ^{235}U and ^{239}Pu in intermediate energy spectrum, and comparison with theoretical prediction, 23:52478 (AEW-R-586)

Interference between expanding Na vapor bubbles, 23:16030 (AEW-M-793)

Lecture notes on selected topics in numerical methods in reactor physics, 23:4402 (AEW-M-677)

LILLY: computer code for calculating an inferred K-infinity from reaction rate measurements in thermal reactor systems, 23:31152 (AEW-M-834)

McBEND: prototype code utilizing both removal-diffusion and Monte Carlo methods, 23:13451 (AERE-R-5773(Vol.1), pp 41-75)

Measurement of axial variation in sensitivity of 1/4-inch diameter fission chambers, 23:19927 (AEW-M-788)

Measurement of depletion of nominally 0.04 percent depleted uranium metal foil by two different methods, 23:26183 (AEW-M-807)

Measurement of personnel neutron dose in the energy region 0.5eV to 10MeV with thermoluminescent lithium fluoride, 23:2659 (AEW-M-801)

Methods of calculation for the design of internal axial shields in advanced gas-cooled reactors, 23:13482 (AERE-R-5773(Vol.5), pp 1400-38)

Methods of calculation for the treatment of shield heterogeneities in the prototype fast reactor, 23:13469 (AERE-R-5773(Vol.3), pp 802-33)

METHUSELAH III: Fortran program and nuclear data library for physics assessment of liquid-moderated reactors, 23:52442 (AEW-R-631)

MOCPUP: Monte Carlo program for estimating resonance escape in complex geometries, 23:21546 (AEW-R-243)

Monitoring of gaseous effluents from reactors, 23:33381 (AEW-M-891)

Monte Carlo calculations of neutron age in some moderating media, 23:30907 (AEW-M-833)

Neutron attenuation studies in fast reactor shielding, 23:13461 (AERE-R-5773(Vol.2), pp 515-53)

NEWLIN: program for linearization of sets of algebraic and first order differential equations, 23:40507 (AEW-R-639)

Numerical studies of hydrogen equivalent of some structural materials in their effect on ^{235}U resonance capture, 23:37768 (AEW-M-860)

Optimization studies of experimental dynamic responses measured on Dragon reactor, 23:21461 (AEW-R-603)

Progress in analysis of experimental data to test HAMBO subchannel model, 23:45460 (CONF-670654-3)

Progress in the application of solid-state track recorders to reactor physics experiments, 23:29146 (AEW-M-881)

Reading equipment for thermoluminescent dosimetry, 23:2660 (AEW-R-607)

Recommended formulae and formats for a resonance parameter library, 23:23598 (AEW-R-621)

Resonance equivalence procedure convenient for numerical use, 23:43187 (AEW-M-892)

SLIP: dynamics program for thermal-hydraulic behavior of boiling loops, 23:2494 (AEW-R-448)

Techniques for calculating the penetration of radiation in ducts and voids, 23:13463 (AERE-R-5773(Vol.3), pp 600-26)

Thermal decomposition of a low-viscosity epoxy resin, 23:30198 (AEW-M-831)

TOFFEE: Fortran program for calculating directed flux spectra, 23:52441 (AEW-M-903)

User's guide to GENES, SDR, and related computer codes, 23:31153 (AEW-R-622)

WIMS multigroup scheme status and difference between versions, 23:31138 (AEW-M-845)

Winfrith Nuclear Data Group notes on topics in nuclear data evaluation, 1964--8, 23:5746 (AEW-M-790)

WINTOF: program to produce neutron spectra from Zebra time-of-flight experiments, 23:52398 (AEW-M-897)

ZIP MK 2: code for calculating eigenvalues and frequency responses of large sets of linear equations representing complex dynamic systems, 23:40506 (AEW-R-543)

Atomic Energy, Inc., Stockholm.
see Aktiebolaget Atomenergi, Stockholm (Sweden).

ATOMIC ENERGY OF CANADA LTD., CHALK RIVER (ONTARIO).
Abstracts of Canadian patents on production of heavy water, 23:21852 (AECL-2279(Rev.))

Acceptance calculations for accelerator beam lines, 23:19046 (BNL-50120(Pt.1), pp 357-63)

Analysis of personal radiation exposures in 1968, 23:35722 (AECL-3112)

Atomic wave functions, 23:14598 (AECL-3200)

Automatic urinalyzer for tritium: AEP5216, 23:6318 (AECL-2702)

Boiling channel flow instability, 23:521 (AECL-2733)

Calculation by conformal mapping of shapes of poles or electrodes for quadrupole lenses, 23:37031 (AECL-3253)

Calculation of fast neutron flux in reactor pressure tubes and experimental facilities, 23:15618 (AECL-3167)

Calculation of neutron scattering by liquids, 23:15329 (AECL-3189)

Canadian developments in nuclear power, 23:47209 (CNM-R-2(Vol.1), pp 18-33)

Cosmic ray NM-64 neutron monitor data, 23:8482 (AECL-3162)

Cosmic ray NM-64 neutron monitor data from Kula, Hawaii, 23:12595 (AECL-3051)

Cosmic ray NM-64 neutron monitor data from Kula, Hawaii, 23:34287 (AECL-3282)

Cosmic ray NM-64 neutron monitor data. X, 23:6896

- (AECL-3161)
Cosmic ray NM-64 neutron monitor data. XI, 23:32197 (AECL-3283)
Cosmic ray NM-64 neutron monitor data. XII, 23:46293 (AECL-3378)
Cosmic ray NM-64 neutron monitor data, Chacaltaya, Bolivia. II, 23:48756 (AECL-3385)
Design and testing of a laminated steel plate cask for the transportation of irradiated fuel bundles, 23:581 (CONF-681001-, pp 464-76)
Determination of lattice parameters using few rods, 23:31220 (AECL-2593(Suppl.))
Effect of fast neutron irradiation on mechanical properties of some stainless and low-alloy steels, 23:41679 (AECL-3363)
Effect of temperature during deformation on the development of texture in zirconium alloy rolled sheet and extruded tubes, 23:48455 (AECL-3372)
Effective operators in nuclear shell model, 23:49437 (AECL-3366)
Focal lengths and principal-plane positions of quadrupole doublet and triplet lenses, 23:8863 (AECL-3160)
Future factory type accelerators, 23:19065 (BNL-50120(Pt.2), pp 600-5)
Future of heavy-water reactors, 23:37443 (AECL-3369)
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- ATOMIC ENERGY OF CANADA LTD., MONTREAL (QUEBEC).
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- ATOMIC POWER CONSTRUCTIONS LTD., SUTTON (ENGLAND).
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- Australia. Weapons Research Establishment, Salisbury. see Weapons Research Establishment, Salisbury (Australia).
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- Australian Defence Scientific Service. Defence Standards Labs., Dept. of Supply, Maribyrnong. see Defence Standards Labs., Maribyrnong (Australia).
- AUSTRALIAN INST. OF NUCLEAR SCIENCE AND ENGINEERING, LOWER HUTT.**
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- AUSTRALIAN INST. OF NUCLEAR SCIENCE AND ENGINEERING, LUCAS HEIGHTS.**
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Energy Authority, Risley, England.

see United Kingdom Atomic Energy Authority, Risley

(England). Authority Health and Safety Branch.

AVCO CORP., LOWELL, MASS. AVCO SPACE SYSTEMS DIV.

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Avco Mfg. Corp. Avco Research Lab., Everett, Mass.

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B

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BABCOCK AND WILCOX CO., BARBERTON, OHIO. POWER GENERATION

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Prog. rpt. on sodium-heated steam generator, 4--6/68,

23:17643 (BAW-1280-57)

Sodium to steam heat exchanger elements and research,

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BABCOCK AND WILCOX CO., LYNCHBURG, VA.

Babcock and Wilcox 1000-MWe LMFBF follow-on study

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690401-, pp 16-29)

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1316(Vol.1))

System description report. Task I, Concept I, 23:33021

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System description report. Task I, Concept II,

23:33022 (BAW-1316(Vol.3))

System description report. Task I, Concept III,

23:33023 (BAW-1316(Vol.4))

System description report. Task I, Concept IV,

23:33024 (BAW-1316(Vol.5))

BABCOCK AND WILCOX CO., LYNCHBURG, VA. CRITICAL EXPERIMENT

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23:52400 (BAW-3647-14)

Prog. rpt. on physics verification program, 7--9/68.

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Prog. rpt. on physics verification program, III, 1--3/69,

23:52399 (BAW-3647-12)

Prog. rpt. on physics verification, 10--12/68, 23:37610

(BAW-3647-11)

BABCOCK AND WILCOX CO., LYNCHBURG, VA. NUCLEAR POWER

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Prog. rpt. on static physics methods, 7--9/68, 23:9153

(BAW-3867-5)

Sodium parameter study code: NAPS, 23:5992 (BAW-1326)

BABCOCK AND WILCOX CO., LYNCHBURG, VA. POWER GENERATION

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1000-MWe LMFBF follow-on study, 23:52367 (BAW-

1328(Vol.1))

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681058-1)

Parametric evaluation of influence of ^{239}Pu and fission

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Prog. rpt. on gel-addition process chemical studies, 2--

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Prog. rpt. on gel-addition process chemical studies, 5--

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Prog. rpt. on gel-addition process chemistry, 5--7/68,

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BABCOCK AND WILCOX LTD., LONDON (ENGLAND).

Boilers for nuclear power stations, 23:38136 (CONF-

680625-6)

BABCOCK AND WILCOX LTD., LONDON (ENGLAND). ATOMIC ENERGY

DEPT.

Boilers for nuclear power stations. Pts. A and B,

23:45100 (CONF-681064-4)

BALLISTIC RESEARCH LABS., ABERDEEN PROVING GROUND, MD.

Daytime D- and E-region chemistry, 23:48807 (AD-690191)

Description of laser-produced plasmas. I, 23:34384

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- Use of ionic mobilities for measurements in the lower ionosphere, 23:3330 (AD-671608)
- BALTIMORE CITY HOSPITALS, MD.
Prog. rpt. on brain tumor localization with positron-emitting isotopes, annual, 6/9/69, 23:43659 (NYO-2182-11)
- BALTIMORE GAS AND ELECTRIC CO., MD.
Calvert Cliffs Nuclear Power Plant, Units 1 and 2 : safety evaluation, 23:34862 (DOCKET-50317-14)
Calvert Cliffs Nuclear Power Plant, Units 1 and 2 preliminary safety analysis report, Amend. 4, 23:7369 (DOCKET-50317-7)
Calvert Cliffs Nuclear Power Plant, Units 1 and 2 preliminary safety analysis report, Amend. 5, 23:11105 (DOCKET-50317-8)
Calvert Cliffs Nuclear Power Plant, Units 1 and 2 preliminary safety analysis report, Amend. 7, 23:15541 (DOCKET-50317-10)
Calvert Cliffs Nuclear Power Plant, Units 1 and 2 preliminary safety analysis report, Amend. 6, 23:17162 (DOCKET-50317-9)
Calvert Cliffs Nuclear Power Plant, Units 1 and 2 preliminary safety analysis report, supplementary information, 23:25988 (DOCKET-50317-11)
Calvert Cliffs Nuclear Power Plant, Units 1 and 2 preliminary safety analysis report, Amend. 8, 23:25989 (DOCKET-50317-12)
Calvert Cliffs Nuclear Power Plant, Units 1 and 2 preliminary safety analysis report, Amend. 9, 23:25990 (DOCKET-50317-13)
Calvert Cliffs Nuclear Power Plant, Units 1 and 2 preliminary safety analysis report, Amend. 10, 23:34863 (DOCKET-50317-15)
- BARI UNIV. (ITALY). ISTITUTO DI FISICA.
Optimum statistical equalization in controlled analog to digital converters, 23:41122 (EUR-4289, pp 347-8)
Switching circuits optimal configuration for amplitude discrimination and timing, 23:41125 (EUR-4289, pp 371-3)
- BARTOL RESEARCH FOUNDATION, SWARTHMORE, PA.
Prog. rpt. on studies of electromagnetic properties of excited states of nuclei, annual, 1968, 23:15431 (NYO-3525-36)
- BASEL UNIV. (SWITZERLAND). DEPT. OF PHYSICS.
Interpretation of radioactive contamination in a nuclear mass disaster, 23:20191 (CONF-680507-, pp 307-14)
- BATTELLE INSTITUT E. V., FRANKFURT AM MAIN (WEST GERMANY).
Study on chemical reactions between uranium dioxide, the most abundant fission products, water and sodium, 23:2052 (AEC-tr-6961)
- BATTELLE MEMORIAL INST., COLUMBUS, OHIO.
Arthropod dietary, 23:29421 (BMI-171-18)
Aspects of benthic marine algal ecology at Amchitka Island, Alaska, 23:26708 (BMI-171-115)
Basic strengthening mechanisms in refractory metals, 23:3043 (CONF-680448-2)
Bioenvironment safety survey and evaluation, Project Rulison, 23:45683 (PNC-R-3)
Bioenvironmental and radiological-safety feasibility studies, Atlantic-Pacific interoceanic canal, herpetological dietary, 23:29422 (BMI-171-19)
Bioenvironmental and radiological-safety feasibility study Atlantic-Pacific interoceanic canal, 23:13595 (BMI-171-004)
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Prog. rpt. on analytical description of nuclear-reactor accident, 1--3/69, 23:28503 (BMI-1861)
Prog. rpt. on analytical description of nuclear-reactor accident, 4--6/69, 23:45095 (BMI-1867)
Prog. rpt. on bioenvironmental safety studies, Amchitka Island, Alaska, 1968, 23:26709 (BMI-171-116)
Prog. rpt. on civilian applications, 7--9/68, 23:8265 (BMI-1851)
Prog. rpt. on civilian applications, annual, 7/67--6/68, 23:1019 (BMI-1845)
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Uranium--plutonium nitride fuels for LMFBR applications, 23:39016 (BMI-1862, Sect. A)
- BATTELLE MEMORIAL INST., COLUMBUS, OHIO. RADIATION EFFECTS INFORMATION CENTER.
Accession list, 5--7/68, 23:3090 (REIC-Access-113)
BATTELLE MEMORIAL INST., GENEVA (SWITZERLAND).
Search for a ceramic crucible material for uranium smelting, 23:8301 (EUR-3614)
BATTELLE-NORTHWEST, RICHLAND, WASH. PACIFIC NORTHWEST LAB.

1DX: one-dimensional diffusion code for generating effective nuclear cross sections, 23:31154 (BNWL-954)

2DB user's manual, 23:52444 (BNWL-831(Rev.1))

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Ultrasonic nondestructive measurement of irradiation damage in steel, 23:26481 (BNWL-SA-2207)

Ultrasonic properties measurements on irradiated materials, 23:24957 (BNWL-SA-2206)

Ultrasonic test support for container integrity assurance, 23:7708 (BNWL-SA-2111)

Ultrasonic thickness measurement for precision control of machine tools, 23:38343 (BNWL-1022)

Ultrasonic velocities and critical-angle-method changes in irradiated 304 stainless steel, 23:24402 (BNWL-1012)

Ultrasonic velocities and critical-angle-method changes in irradiated A302-B and A542-B steels, 23:26478 (BNWL-988)

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Use of diffusion barriers in reducing metal-metal interactions at 1100°C, 23:34081 (BNWL-1015)

Use of synthetic polymers in soil waste disposal systems, 23:6278 (BNWL-SA-2016)

Users aid: programs LEARN and LIKELY, 23:33107 (BNWL-1057)

Vibrationally compacted ceramic fuels, 23:46146 (BNWL-SA-2412)

Wall-less detector for measuring energy deposition spectra, 23:50108 (BNWL-1051(Pt.2), pp 194-6)

Washout of methyl iodide by hydrazine sprays, 23:11253 (BNWL-935)

Waste solidification demonstration program, 23:38022 (BNWL-1083)

Waste Solidification Engineering Prototypes, design verification testing of spray solidification equipment, 23:43489 (BNWL-1117)

Waste solidification program. II, 23:17725 (BNWL-968)

Waste solidification program. III, 23:11737 (BNWL-832)

Whole-Body Counter Laboratory, Mobile Unit B, 23:40982 (BNWL-1154)

Wind tunnel for particle deposition measurements, 23:9606 (BNWL-715-3, pp 101-3)

Wound counting with solid state detectors, 23:45505 (BNWL-1051(Pt.3), pp 1-6)

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Zeolite ammonium ion capacity in mixed cation equilibrium systems, 23:11644 (BNWL-715(Pt.4), pp 42-9)

Zircaloy-2 pressure tubing, 23:16479 (BNWL-746)

ZIRKALOID AKADEMIE DER WISSENSCHAFTEN, MUNICH (WEST GERMANY), ZENTRALINSTITUT FUER TIEFTEMPERATURFORSCHUNG.

Influence of neutron irradiation at 4.6°K on superconducting properties of niobium, 23:25239 (BNWL-

25 CORPORATES

BETTIS ATOMIC POWER LAB., PITTSBURGH,

FBK-68-43)

BAYERISCHE LANDESANSTALT FUER BODENKULTURE, PFLANZENBAU UND PFLANZENSCHUTZ, MUNICH (WEST GERMANY). ABT. STRAHLENNUTZUNG.

Effect of low doses of γ -radiation on plant growth, 23:22433 (BNWL-FBK-68-48)

BAYLOR UNIV., HOUSTON, TEX. LAB. OF EXPERIMENTAL PATHOLOGY.

Microscopic study of primate liver after large doses of high-energy protons, 23:22394 (N-68-16107)

BECHTEL CORP., SAN FRANCISCO, CALIF.

Large gas-cooled reactors for U. S. central stations, 23:13356 (CONF-680601-45)

Study of 250-MGD multistage flash distillation plant with two-level brine flow. I and II, 23:49994 (TID-25228)

Bede (Thomas) Foundation, Los Altos, Calif.

see Thomas Bede Foundation, Los Altos, Calif.

BEERS (ROLAND F.), INC., ALEXANDRIA, VA.

Analysis and interpretation of squared fourier spectra, 23:24330 (NVO-1163-38)

Diffusion of seismic energy in the near range, 23:24328 (NVO-1163-64)

Geophysics analysis system for seismogram analysis, 23:24485 (NVO-1163-34)

Project pre-Schooner II: ground shock measurements, 23:9592 (PNE-514)

Behlen Lab. of Physics, Univ. of Nebraska, Lincoln.

see Nebraska Univ., Lincoln. Behlen Lab. of Physics.

Belfer Graduate School of Science, Yeshiva Univ., New York.

see Yeshiva Univ., New York. Belfer Graduate School of Science.

Belgo Nucleaire.

see Societe Belge pour l'Industrie Nucleaire, Brussels.

BELL TELEPHONE LABS., MURRAY HILL, N. J.

Normalizing ADC for use with position sensitive detectors, 23:40990 (EUR-4289, pp 211-15)

BELLCOMM, INC., WASHINGTON, D. C.

Random independent splitting model for the mass spectrum of protostars and interstellar clouds, 23:16559 (N-68-31168)

BENDIX CORP., KANSAS CITY, MO.

Nondestructive testing of percussive arc welds, 23:9663 (BDX-613-107)

Berkeley Nuclear Labs., Central Electricity Generating Board, Berkeley, England.

see Central Electricity Generating Board, Berkeley (England). Berkeley Nuclear Labs.

Berlin. Freie Universitaet.

see Freie Universitaet, Berlin (West Germany).

BERN UNIV. (SWITZERLAND).

Mass spectroscopy of heavy bosons and spin-parity analysis with a new instrument, 23:23360 (NP-17812)

BERN UNIV. (SWITZERLAND). PHYSIKALISCHES INSTITUT.

Dependence of v -nucleus cross sections on the mass number, 23:25504 (CERN-69-7, pp 61-71)

BERN UNIV. (SWITZERLAND). RADIUM INSTITUT.

Use of liquid whole-body counter for rapid measurement of large population groups, 23:19930 (CONF-680507-, pp 194-201)

BETTIS ATOMIC POWER LAB., PITTSBURGH, PA.

Agglomeration of particles in turbulent flow, 23:49523 (WAPD-TM-904)

Analysis of xenon power oscillations in Shippingport PWR Core 1, 23:26000 (WAPD-TM-605)

Application of Lommel's functions to neutron transport in time-dependent P_1 theory, 23:32887 (WAPD-TM-856)

Approximate $J(\theta, \beta)$ function, 23:52466 (WAPD-TM-893)

BE-21: few group slab transport program, 23:40446 (WAPD-TM-781)

Behavior of intentionally defected fuel rod which ruptured during irradiation, 23:46149 (WAPD-TM-628)

Calorimetric radiation heating rate measurements in critical assembly, 23:2129 (WAPD-T-2111)

Comparison of physics measurements and weighted residual synthesis calculations for PWR, 23:21421 (WAPD-T-2152)

Computer program BL47 for plotting plane structures, 23:26146 (WAPD-TM-783)

Critical heat flux tests on coolant channel simulating a closely spaced lattice of rods, 23:26041 (WAPD-TM-466)

Decay heat transfer from reactor fuel rods in test holders in a hot cell, 23:7692 (WERL-TAADM-1)

Developing flexibility matrices using CTAC rule, 23:9231 (WAPD-TM-749)

Effect of temperature and time on Zircaloy oxide formation, 23:3020 (WAPD-TM-786)

Effect of thermal treatment on alloy distribution of Zircaloy-2, 23:22524 (WAPD-TM-818)

Effects of electrical discharge and electrochemical machining on the fatigue strength of selected structural materials, 23:14322 (WAPD-TM-787)

Effects of pressure upon corrosion of Zircaloy-4, 23:10159 (WAPD-TM-782)

EMPIR: program to solve multi-group slab transport problem using ENDF/B library, 23:26114 (WAPD-TM-822)

Evaluation of ETA for ²³⁵U, 23:4004 (WAPD-TM-772)

Evaluation of reactor steady state thermal and hydraulic test performance for first half of PWR Core 2, Seed 1 life, 23:37387 (WAPD-PWR-TE-209)

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Fission gas bubbles in fractured UO_2 chips, 23:11355 (WAPD-T-2067)
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WIGL3: program for steady-state and transient solution of diffusion equation, 23:19552 (WAPD-TM-788)
BETTIS ATOMIC POWER LAB., WEST MIFFLIN, PA.
Shippingport PWR Core 2 Seed 1 physics test results, 23:11125 (WAPD-PWR-TE-205)
BHABHA ATOMIC RESEARCH CENTRE, BOMBAY (INDIA).
Absolute standardization of ^{60}Co at BARC for international intercomparison, 23:47710 (BARC-395)
Absorption of trace elements by near shore sea-bed sediments, 23:26381 (BARC-376)
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X-ray diffraction effects arising from stacking faults in alpha uranium, 23:8207 (BARC-343)
Yield of K x rays emitted from ^{236}U fragments, 23:28294 (BARC-363)
BIRBECK COLL., LONDON (ENGLAND).
Geometry of random packing, 23:35359 (EUR-4190, pp 403-22)
BIRMINGHAM UNIV. (ENGLAND).
Comparison of measurements and calculations of neutron spectrum in LIDO experimental shields, 23:13532 (AERE-R-5773(Vol.2), pp 571-96)
Biuro Pelnomocnika Rządu do Spraw Wykorzystania Energii Jądrowej. Centralne Laboratorium Ochrony Radiologicznej, Warsaw.
see Centralne Laboratorium Ochrony Radiologicznej, Warsaw (Poland).
BLACK AND VEATCH CONSULTING ENGINEERS, KANSAS CITY, MO.
Tornado design considerations for nuclear power plants, 23:40378 (CONF-671102-46)
BLUME (JOHN A.) AND ASSOCIATES, ENGINEERS, SAN FRANCISCO, CALIF.
Current seismic design practice for nuclear reactor facilities, 23:37386 (TID-25021)
Earthquake analysis of piping systems, 23:52193 (DOCKET-50003-11)
Earthquake and tornado analyses of structures, 23:52192

Stochastic simulation of site response to earthquakes and underground explosions, 23:9578 (JAB-99-39)

BLUME (JOHN A.) AND ASSOCIATES RESEARCH DIV., SAN FRANCISCO, CALIF.

Computer program for response spectra, 23:33283 (NVO-99-11)

Direct-reading scaler for measuring recorded wave data, 23:478 (JAB-99-40)

Motion perception in the low-frequency range, 23:43419 (JAB-99-47)

Prog. rpt. on concrete test structures, 3/68, 23:9670 (NVO-99-29)

Spectral response to ground displacement at Hattiesburg, resulting from nuclear SALMON event, 23:9591 (NVO-99-27)

Structural condition survey: movement of building element cracks in six Mercury, Nevada structures, 23:26388 (NVO-99-20)

Structural response to nuclear induced ground motion, 23:45424 (NVO-40(Rev.2), pp 173-226)

BOEING CO., SEATTLE, WASH. AEROSPACE GROUP.

Electron, proton, and ultraviolet radiation effects on thermal control coatings, 23:44025 (N-69-23865)

In situ electron, proton, and ultraviolet radiation effects on thermal control coatings, 23:41760 (N-69-24925)

Prog. rpt. on radiation-induced nonlinear degradation of transistor gain, 1/4--7/4/68, 23:26633 (N-69-12245)

Space environment effects on thermal control coatings, 23:51151 (N-69-30549)

BOEING SCIENTIFIC RESEARCH LABS., SEATTLE, WASH. GEOSTROPHYSICS LAB.

High energy x-rays from Cygnus XR-1, 23:32093 (D-1-82-782)

Measurements of photoionization, photoexcitation, and photodetachment, 23:16629 (D-1-82-768)

BOEING SCIENTIFIC RESEARCH LABS., SEATTLE, WASH. PLASMA PHYSICS LAB.

Exact solution of a one-dimensional electrical transport problem with elastic and inelastic scattering, 23:10627 (D-1-82-774)

Fast beam-switching electron gun for transient beam--plasma interaction study, 23:39459 (D-1-82-871)

Plasma effects in semiconductors, 23:10626 (D-1-82-772)

Stability of inhomogeneous plasmas, 23:48919 (D-1-82-876)

Stability of plane blast waves, 23:9637 (D-1-82-765)

BOEING SCIENTIFIC RESEARCH LABS., SEATTLE, WASH. SOLID STATE PHYSICS LAB.

Diffraction techniques for x-ray astronomy, 23:39248 (D-1-82-875)

BONN UNIV. (WEST GERMANY).

Acute alterations in cerebral medulla of monkeys after treatment with x rays, 23:48197 (BMwF-FBK-69-16)

BONN UNIV. (WEST GERMANY). INSTITUT FUER PHYSIKALISCHE CHEMIE.

Quantitative analysis of high boiling polyphenyl mixtures in field ion mass spectrometer, 23:13621 (EUR-4194)

BONN UNIV. (WEST GERMANY). INSTITUT FUER STRAHLEN UND KERNPHYSIK.

Nuclear spectroscopy with ($^3\text{He}, \alpha$) reaction, 23:42869 (BMwF-FBK-69-7)

BONN UNIV. (WEST GERMANY). PHYSIKALISCHES INSTITUT.

Analysis of photoproduction of π^0 mesons on protons in energy range $E_{\text{sub}} \gamma$ less than or equal to 1200 MeV, 23:32646 (NP-17842)

Photoproduction of pions from deuterium in the impulse approximation, 23:32647 (NP-17916)

BORDEAUX UNIV. (FRANCE). FACULTE DES SCIENCES.

Interaction of fast neutrons with $1p$, $2s$, $1d$ nuclei, 23:23626 (NP-17794)

BORDEAUX UNIV., PESSAC (FRANCE). INSTITUT DE MAGNETO-CHEMIE.

Degraphitization under the effect of neutron irradiation, 23:10699 (CEA-CONF-1045)

BORG-WARNER CORP., VERNON, CALIF. BYRON JACKSON PUMP DIV.

Large sodium pump design study, 23:49993 (SAN-681-1)

Boris Kidric Inst. for Nuclear Sciences, Belgrade.

see Institut za Nuklearne Nauke Boris Kidric, Belgrade (Yugoslavia).

BOSTON EDISON CO., MASS.

Pilgrim Nuclear Power Station design and analysis report, Amend. 1, 23:17158 (DOCKET-50293-19)

Pilgrim Nuclear Power Station design and analysis report, Amend. 10, 23:17157 (DOCKET-50293-18)

BOSTON UNIV., MASS.

Correlation between solar radio bursts and sudden frequency deviation events, 23:44095 (AD-684719)

Gamma ray experiments with an electron accelerator, 23:9038 (TID-24667, pp 505-11)

Quantitative assay of intrinsic factor secretion in humans, 23:11961 (CONF-671111-, pp 381-94)

BRANDEIS UNIV., WALTHAM, MASS. DEPT. OF CHEMISTRY.

Prog. rpt. on effects of mercaptans and disulfides on photochemical and radiation induced reactions, annual, 11/67--11/68, 23:9422 (NYO-2499-26)

BRANDEIS UNIV., WALTHAM, MASS. DEPT. OF PHYSICS.

Evolution of a 30 solar mass, Population I star, 23:18292 (AD-674630)

Many body theory and quantum fluids, 23:18749 (AD-672846)

Prog. rpt. on elementary particle physics, 5/31/69,

23:30723 (NYO-3178-6)

Research in astrophysics, 23:27209 (AD-680415)

BRAUN (B.) MEDIZINISCH-PHARMAZEUTISCHE WERKE, MELSUNGEN (WEST GERMANY).

Studies on radiosterilization of surgical appliances particularly of biological origin, 23:24776 (BMwF-FBK-68-55)

Brazil. Comissao Nacional de Energia Nuclear de Brasil, Rio de Janeiro.

see Comissao Nacional de Energia Nuclear de Brasil, Rio de Janeiro.

Brazil. Instituto de Energia Atomica, Sao Paulo.

see Instituto de Energia Atomica, Sao Paulo (Brazil).

BRAZIL UNIV., RIO DE JANEIRO. INSTITUTO DE BIOFISICA.

Prog. rpt. on radiochemical and radioecological studies on Brazilian areas of high-natural radiation, annual, 7/68, 23:7973 (NYO-3273-11)

BRIGHAM YOUNG UNIV., PROVO, UTAH.

Prog. rpt. on protection of mice against lethal x radiation with a cell-free component of spleen, 9/1/68--5/15/69, 23:38614 (COO-1818-1)

BRISTOL AERJET LTD., BANWELL (ENGLAND).

Irradiation testing equipment, 23:38137 (CONF-681064-6)

BRISTOL UNIV. (ENGLAND).

Use of radioactive isotopes in measurements of flow rates in metabolic pathways, 23:11947 (CONF-671111-, pp 101-13)

BRITISH COLUMBIA UNIV., VANCOUVER. DEPT. OF ZOOLOGY.

Prog. rpt. on genetic control of meiosis in *D. melanogaster*, final, 7/31/69, 23:50418 (RLO-1924-25)

British Columbia Univ., Vancouver. TRI--Univ. Meson Facility.

see TRI--Univ. Meson Facility, Vancouver (British Columbia).

BRITISH NUCLEAR ENERGY SOCIETY, LONDON (ENGLAND).

Conference on physics problems of reactor shielding, AERE, Harwell, Eng., 9/67, 23:13449 (AERE-R-5773(Vol.1))

Conference on physics problems of reactor shielding, AERE, Harwell, Eng., 9/67, 23:13462 (AERE-R-5773(Vol.3))

Conference on physics problems of reactor shielding, AERE, Harwell, Eng., 9/67, 23:13457 (AERE-R-5773(Vol.2))

Conference on physics problems of reactor shielding, AERE, Harwell, Eng., 9/67, 23:13472 (AERE-R-5773(Vol.4))

Conference on physics problems of reactor shielding, AERE, Harwell, Eng., 9/67, 23:13477 (AERE-R-5773(Vol.5))

BROBECK (WILLIAM M.) AND ASSOCIATES, BERKELEY, CALIF.

Particle accelerator safety manual, 23:13149 (MORP-68-12)

BROOKHAVEN NATIONAL LAB., UPTON, N. Y.

Abnormal bubble movement and induced roll cell formation in fluidized beds, 23:26442 (BNL-50142)

AC effects and flux pumps, 23:42120 (BNL-50155(Pt.2), pp 511-708)

Accelerators and storage rings using superconducting or cryogenic magnets, 23:42787 (BNL-50155(Pt.3), pp 967-1132)

AGS conversion project, 23:37033 (BNL-50131)

Analysis of 28.5 GeV/c pp interactions producing 6 or more charged particles, 23:34525 (BNL-13694)

Analysis of iris-loaded deflectors in the small-pitch approximation, 23:15294 (BNL-13261)

Analysis of multi-dimensional thermoelastic dynamic response of reactor fuel elements, 23:19877 (BNL-13311)

Analysis system using road-guidance FSD's, 23:14032 (BNL-13189)

Analytical design of superconducting multipolar magnets, 23:10869 (BNL-13095)

Apparatus for measuring the diffusion of impurities in solids, 23:9786 (BNL-13092)

Application of chemical reactor design principles to problems of dosimetry in flow systems, 23:35517 (BNL-13766)

Application of x-ray transition radiation to the detection of super high energy particles, 23:43592 (BNL-13906)

Asymptotic energies, 23:1639 (BNL-12811)

Automated data acquisition at the HFBR, 23:23952 (BNL-13428)

Automatic analysis of spectra from Ge(Li) detectors, 23:33474 (ANL-7282, pp 233-44)

Bean model of ac losses in type II superconductors, 23:12699 (BNL-13200)

Bent-crystal spectrometers, 23:33472 (ANL-7282, pp 89-102)

Bibliography of publications and reports of Radiation Division, BNL, 8/65--6/68, 23:19902 (BNL-50132)

BNL fast-chopper facility at HFBR, 23:34918 (ANL-7282, pp 449-58)

Brookhaven On-Line Data Facility, 23:25720 (BNL-13478)

Brookhaven pulsed fast research reactor, 23:21510 (BNL-13208)

Brookhaven superconducting dc beam magnets, 23:5717 (BNL-13020)

Bubble chamber technique for photographing interactions

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BROOKLYN COLL., N. Y.

Prog. rpt. on lethal sectoring and apparent interchromosomal effects in yeast, annual, 1968, 23:29895 (NYO-3998-1)

BROOKLYN COLL., N. Y. DEPT. OF CHEMISTRY.

Prog. rpt. on radio- and radiation chemistry, annual, 9/16/68--9/16/69, 23:46942 (NYO-3417-11)

Brooklyn. Polytechnic Inst.

see Polytechnic Inst. of Brooklyn, N. Y.

Brooks AFB, Tex. School of Aviation Medicine.

see School of Aviation Medicine, Brooks AFB, Tex.

BROWN BOVERI/KRUPP REAKTORBAU G.M.B.H., JUELICH (WEST GERMANY).

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BROWN, BOVERI UND CIE A. G., HEIDELBERG (WEST GERMANY).

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BROWN UNIV., PROVIDENCE, R. I.

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- BROWN UNIV., PROVIDENCE, R. I. DEPT. OF PHYSICS.
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- Prog. rpt. on theoretical high-energy physics, 6/69, 23:36857 (NYO-2262-TA-206)
- Brunswick. Technische Hochschule Caroli Wilhelmina. see Technische Hochschule, Brunswick (West Germany).
- Brussels. Centre d'Etude de l'Energie Nucleaire. see Centre d'Etude de l'Energie Nucleaire, Brussels (Belgium).
- Brussels. Societe d'Etudes, de Recherches et d'Applications pour l'Industrie. see Societe d'Etudes, de Recherches et d'Applications pour l'Industrie, Brussels (Belgium).
- BRUSSELS UNIV. (BELGIUM). FACULTE DES SCIENCES.
- Theory of many body problem and particle physics, 23:18822 (AD-673507)
- Building Research Inst., Ministry of Construction, Tokyo, Japan. see Ministry of Construction, Tokyo (Japan). Building Research Inst.
- BUNDESAMT FUER ZIVILEN BEVOELKERUNGSSCHUTZ, BAD GODESBERG (WEST GERMANY).
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- BUREAU D'ETUDES A. COYNE ET J. BELLIER, PARIS (FRANCE).
- Behavior with time of the prestressed cables of cases G2/G3, 23:21544 (CEA-CONF-1110)
- Bureau Eurisotop, Euratom, Brussels, Belgium. see European Atomic Energy Community, Brussels (Belgium). Bureau Eurisotop.
- BUREAU INTERNATIONAL DES POIDS ET MESURES, SEVRES (FRANCE).
- Alpha energy standards, 23:43566 (ORNL-tr-2193)
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- BUREAU OF COMMERCIAL FISHERIES, ANN ARBOR, MICH.
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- BUREAU OF MINES, RENO, NEV.
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- BUREAU OF MINES, RENO, NEV. RENO METALLURGY RESEARCH CENTER.
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Oceanography. see Scripps Institution of Oceanography, La Jolla, Calif.

CALIFORNIA UNIV., LIVERMORE. LAWRENCE RADIATION LAB.

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see Los Alamos Scientific Lab., N. Mex.

CALIFORNIA UNIV., LOS ANGELES.

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Prog. rpt., annual, 9/67--10/68, 23:12012 (UCLA-34-P-124-5)

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CALIFORNIA UNIV., LOS ANGELES. CENTER FOR THE HEALTH SCIENCES.

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CALIFORNIA UNIV., LOS ANGELES. DEPT. OF CHEMISTRY.

Prog. rpt. on heavy atom, vibronic, and host crystal perturbations on the phosphorescence of molecular crystals, annual, 9/15/68--9/14/69, 23:45169 (UCLA-34-P-91-25)

CALIFORNIA UNIV., LOS ANGELES. DEPT. OF COMPUTER SCIENCE.

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California Univ., Los Angeles. Dept. of Physics. Plasma Physics Group.

see California Univ., Los Angeles. Plasma Physics Group.

CALIFORNIA UNIV., LOS ANGELES. DEPT. OF RADIOLOGY.

Prog. rpt. radiation research, annual, 7/15/67--7/1/68, 23:776 (UCLA-34-P-118-4)

CALIFORNIA UNIV., LOS ANGELES. INST. OF GEOPHYSICS AND PLANETARY PHYSICS.

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- CALIFORNIA UNIV., LOS ANGELES. PLASMA PHYSICS GROUP.
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 see California Univ., Los Angeles. Dept. of Radiology.
- California Univ., Los Angeles. School of Medicine. Lab. of Nuclear Medicine and Radiation Biology.
 see California Univ., Los Angeles. Lab. of Nuclear Medicine and Radiation Biology.
- CALIFORNIA UNIV., MERCURY, NEV. LAWRENCE RADIATION LAB.
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- Camille Dreyfus Lab., Research Triangle Inst., Durham, N. C.
 see Research Triangle Inst., Durham, N. C. Camille Dreyfus Lab.
- Canada. Atomic Energy Control Board, Ottawa.
 see Atomic Energy Control Board, Ottawa (Ontario).
- Canada. Dept. of National Health and Welfare. Radiation Protection Div., Ottawa.
 see Department of National Health and Welfare, Ottawa (Ontario). Radiation Protection Div.
- CANADIAN NUCLEAR ASSOCIATION, TORONTO (ONTARIO).
 Conference on resonance cross sections in the unresolved resonance region and application of Monte Carlo techniques to reactor physics, Toronto, Canada, 6/68, 23:15725 (ANS-RPD-1)
- Carbide and Carbon Chemicals Co. Oak Ridge National Lab.
 see Oak Ridge National Lab., Tenn.
- Carbide and Carbon Chemicals Co. X-10 Plant.
 see Oak Ridge National Lab., Tenn.
- CARBONE-LORRAINE, GENNEVILLIERS (FRANCE). DIVISION DES ETUDES NUCLEAIRES.
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- CARNEGIE-MELLON UNIV., PITTSBURGH, PA. DEPT. OF CHEMISTRY.
 Prog. rpt. on terrestrial occurrence and distribution of ^{129}I , final, 23:28744 (NYO-3624-3)
 Prog. rpt. on nuclear chemistry and geochemistry, annual, 1968--69, 23:40857 (NYO-844-76)
 Prog. rpt. on nuclear chemistry research of high-energy nuclear reactions, annual, 1968--69, 23:37137 (NYO-2897-35)
- Carnegie-Mellon Univ., Pittsburgh, Pa. Mellon Inst. Radiation Research Labs.
 see Mellon Inst., Pittsburgh, Pa. Radiation Research Labs.
- CAROLINA POWER AND LIGHT CO., RALEIGH, N.C.
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- CASE-WESTERN RESERVE UNIV., CLEVELAND, OHIO. DEPT. OF PHYSICS.

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- EAST-WESTERN RESERVE UNIV., CLEVELAND, OHIO. DEPT. OF RADIOLOGY.
- Prog. rpt., annual, 4/69, 23:31819 (COO-78-200)
- Prog. rpt., annual, 7/1/67--4/30/68, 23:2740 (COO-78-174)
- EAST-WESTERN RESERVE UNIV., CLEVELAND, OHIO. DIV. OF CHEMICAL ENGINEERING SCIENCE.
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- EAST-WESTERN RESERVE UNIV., CLEVELAND, OHIO. SCHOOL OF MEDICINE.
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- CATHOLIC UNIV. OF AMERICA, WASHINGTON, D. C. DEPT. OF SPACE SCIENCE AND APPLIED PHYSICS.
- Prog. rpt. on diagnostics of accelerating plasma, semiannual, 9/67--2/68, 23:16780 (N-68-34518)
- Prog. rpt. on diagnostics of accelerating plasma, semiannual, 3--8/68, 23:27610 (N-69-15312)
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- CEKMECE NUCLEAR RESEARCH CENTER, ISTANBUL (TURKEY).
- Polymer-incapsulation of activities from waste solutions on ion-exchange and adsorbent particles, 23:21922 (CNAEM-61)
- Prog. rpt., 1--6/67, 23:32949 (CNAEM-46)
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- Unified transport theory of two-temperature fully ionized plasmas, 23:1407 (CNAEM-59)
- Cekmece Nuclear Research Center, Atomic Energy Commission, Istanbul, Turkey.
- see Cekmece Nuclear Research Center, Istanbul (Turkey).
- EEN.
- see Centre d'Etude de l'Energie Nucleaire, Brussels (Belgium).
- Center for the Study of Nuclear Energy, Brussels.
- see Centre d'Etude de l'Energie Nucleaire, Brussels (Belgium).
- CENTRAL ELECTRICITY GENERATING BOARD, BERKELEY (ENGLAND).
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- CENTRAL ELECTRICITY GENERATING BOARD, LONDON (ENGLAND).
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- CENTRAL ELECTRICITY GENERATING BOARD, LONDON (ENGLAND).
- COMPUTING DEPT.
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- Central Inst. of Physical Research of the Hungarian Academy of Sciences, Budapest.
- see Magyar Tudomanyos Akademia Kozponti Fizikai Kutato Intezete, Budapest.
- Central Lab. of Radiological Protection, Office of the Commissioner of the Government for Uses of Nuclear Energy, Warsaw.
- see Centralne Laboratorium Ochrony Radiologicznej, Warsaw (Poland).
- CENTRAL MICHIGAN UNIV., MOUNT PLEASANT.
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- Central Nuclear Measurements Bureau, European Atomic Energy Community, Geel, Belgium.
- see European Atomic Energy Community, Geel (Belgium).
- Central Nuclear Measurements Bureau.
- CENTRALNE LABORATORIUM OCHRONY RADIOLOGICZNEJ, WARSAW (POLAND).
- Distortion to spectra and efficiency of silicon detectors for diffusive incidence to detector of electrons from ^{14}C and ^{35}S sources, 23:31539 (CLOR-72)
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- Centre Commun de Recherche Nucleaire d'Euratom.
- see European Atomic Energy Community, Ispra (Italy).
- Joint Nuclear Research Center.

Centre de Pierrelatte, Commissariat a l'Energie Atomique, France.

see Commissariat a l'Energie Atomique, Pierrelatte (France).

CENTRE DE RECHERCHES DU SERVICE DE SANTE DES ARMEES, PARIS (FRANCE). DIVISION DE RADIOBIOLOGIE.

Influence of total irradiation and the visual potential in adult rabbits, 23:33829 (CEA-CONF-1257)

CENTRE DE RECHERCHES EN PHYSIQUE DES PLASMAS, LAUSANNE (SWITZERLAND).

Measurement of electron density gradient by Schlieren method in plasma confined by rotating hf field, 23:23083 (LRP-38/68)

Spectroscopic observation of impurities in a plasma pulse and ion temperature measurements, 23:18600 (LRP-39/68)

Centre de Recherches Nucleaires, Centre National de la Recherche Scientifique, Strasbourg, France.

see Centre National de la Recherche Scientifique, Strasbourg (France). Centre de Recherches Nucleaires.

CENTRE DE RECHERCHES PSYCHOPATHOLOGIQUES, PARIS (FRANCE).

Psychological attitudes of nuclear workers towards radioactivity risk, 23:22822 (EUR-4198)

CENTRE D'ETUDE DE L'ENERGIE NUCLEAIRE, BRUSSELS (BELGIUM).

Analyses, 23:15 (NP-17579, pp V.1-2)

BRL reactor, 23:2070 (NP-17579, pp VI.1)

Compilation of references on the direct conversion of heat into electrical energy, 23:22959 (BLG-427)

Conference on applications of Ge(Li) detectors in science, technology, medicine, and industry, Brussels, 10/67, 23:17742 (BLG-425)

Evaluation of nuclear data for some activation detectors useful in thermal and epithermal spectral indices measurements, 23:3995 (BLG-421)

Fundamental remarks on Ge(Li) detectors, 23:17783 (BLG-425, Paper 1)

Irradiation of mixed UO_2 - PuO_2 fuels in BR-3/PWR reactor, 23:16546 (EURAC-2072)

Low-energy nuclear physics, 23:1825 (NP-17579, pp III.12-17)

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Metallurgical services, 23:963 (NP-17579, pp V.3)

Production and application of radioisotopes, 23:214 (NP-17579, pp II.1-5)

Production and application of radioisotopes, 23:26267 (NP-17819, Chap.2)

Prog. rpt. on nuclear research, annual, 1967, 23:2068 (NP-17579)

Prog. rpt. on the measurement and control of radiation, annual, 1966, 23:7639 (NP-17698)

Prog. rpt. on use of Pu as fuel in nuclear reactors, 4--6/68, 23:7429 (EURAC-2065)

Prog. rpt., annual, 1966, 23:28561 (NP-17819)

Radioactive fallout measured at Mol, 23:31432 (NP-17876)

Radiobiology, 23:904 (NP-17579, pp III.17-30)

Radiobiology, 23:26686 (NP-17819, Chap.3.3)

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Safety, 23:26770 (NP-17819, Chap.4)

Solid state physics, 23:1515 (NP-17579, pp III.3-11)

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Some useful data for 6Li semiconductor sandwich spectrometers, 23:43564 (BLG-428)

Tabulation of Doppler integral, 23:23600 (BLG-431)

Technological research: reactors and fuel cycle, 23:2069 (NP-17579, pp I.1-60)

Technological research: reactors and fuel cycle, 23:28562 (NP-17819, Chap.1)

Thermodynamic considerations relating to fluoride volatility processing of nuclear fuels, 23:17511 (BLG-429)

Waste processing, 23:348 (NP-17579, pp VI.7-8)

CENTRE D'ETUDE DE L'ENERGIE NUCLEAIRE, MOL (BELGIUM).

Energy levels of ^{60}Co , 23:34743 (ANL-7282, pp 407-11)

Energy levels of Co isotopes, 23:34744 (ANL-7282, pp 412-16)

Estimation of a level-guide applicable to the population in case of inhalation or ingestion following a nuclear catastrophe, 23:20194 (CONF-680507-, pp 346-61)

Lattice characteristics determination by pulsed neutron technique, 23:11301 (RCN-98, pp 493-521)

Manufacture of nuclear fuel rods by vibrocompaction of uniform size ceramic powders, 23:13584 (CONF-680504-2)

Measurement of reactivity of far subcritical systems, 23:11334 (RCN-98, pp 555-77)

Mechanisms of action of sulfur-containing radioprotectors, 23:20262 (BNL-50058, pp 241-62)

Pulsed and modulated neutron source techniques and their interrelation, 23:11347 (RCN-98, pp 523-54)

Reactor kinetics work in Belgium, 23:11181 (RCN-98, pp 1-15)

Remedial actions in case of groundwater contamination of sandy aquifers, 1966, 23:13855 (EUR-4095)

Use of a helicopter for aerial radiologic prospecting, 23:20189 (CONF-680507-, pp 207-11)

Use of Ge(Li) detectors in nuclear physics, 23:17784

(BLG-425, Paper 4)

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, BELLEVUE

(FRANCE). LABORATOIRE DES TERRES RARES.

Distillation of rare earth metals, 23:7592 (CONF-681020- (Vol.2), pp 439-58)

Heat of solution of Sm in Sn and heat of formation for compounds in Sn-Sm system, 23:8154 (CONF-681020- (Vol.1), pp 221-31)

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, GRENOBLE

(FRANCE).

Magnetic structures and properties of UF_6 , 23:16869 (CEA-CONF-1191)

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, PARIS

(FRANCE).

Conference on the extension of the Poincare group to internal symmetries of elementary particles, Gif-sur-Yvette, France, 4/66, 23:46749

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, PARIS

(FRANCE). INSTITUT D'ASTROPHYSIQUE.

Heat generation in meteorites during the early stage of the solar system, 23:14522 (CEA-CONF-1066)

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, STRASBOURG

(FRANCE). CENTRE DE RECHERCHES NUCLEAIRES.

ESTER system for running of several on-line multiparametric experiments, 23:41116 (EUR-4289, pp 307-12)

Influence of compensated thickness of coaxial Ge(Li) detectors, 23:40987 (EUR-4289, pp 95-100)

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, VERRIERES-LE-BUISSON (FRANCE).

Observation of brightness distribution at 1216 and 1300 Å at solar limb, 23:39181 (NP-tr-1791)

CENTRE NATIONAL D'ETUDES DE LA PROTECTION CIVILE,

NAINVILLE-LES-ROCHES (FRANCE).

ORSEC radiologic plan, 23:20210 (CONF-680507-, pp 608-13)

CENTRE SCIENTIFIQUE DE MONACO, MONTE CARLO.

Automatic counting and recording unit used for dating by ^{14}C method, 23:24422 (CEA-R-3702)

CENTRO INFORMAZIONI STUDI ESPERIENZE, MILAN (ITALY).

Analysis of nonlinear feedback loops in pulse stretchers, 23:41103 (EUR-4289, pp 193-203)

Application of steam-water spray to reactor cooling, 23:31161 (EURAC-2058)

Development program on application of steam-water spray to reactor cooling, 23:28459 (EURAC-2090)

Improvement of sliding-scale analog-to-digital converters, 23:41121 (EUR-4289, pp 339-45)

Indexing of electron diffraction spots obtained from zirconium lattice, 23:3553 (CISE-116)

Problem of health protection from laser radiation, 23:29822 (CISE-117)

Radiochemical studies for radioactivity determinations on marine sediment samples, 23:2 (CISE-108)

Stabilization of a sampling oscillograph by wave form measurements, 23:2553 (EUR-3947)

Two-phase adiabatic vertical up-flow: preliminary study with rod cluster geometry, 23:31471 (EURAC-1090)

Centro Nacional de Investigaciones Medico-Quirurgicas de la Seguridad Social, Madrid, Spain. Clinica Puerta de Hierro.

see Clinica Puerta de Hierro, Madrid (Spain).

Centro Nuclear de Mexico, Comision Nacional de Energia Nuclear, Mexico City.

see Comision Nacional de Energia Nuclear, Mexico City. Centro Nuclear de Mexico.

CERN, Geneva, Switzerland.

see European Organization for Nuclear Research, Geneva (Switzerland).

CESKOSLOVENSKA AKADEMIE VED, PRAGUE.

Residence time distribution of granular materials flowing through cylindrical vessels, 23:35395 (EUR-4190, pp 121-34)

CESKOSLOVENSKA AKADEMIE VED, PRAGUE. USTAV FYZIKY

PLAZMATU.

Effect of a multiperiodic hf field on the two-stream instability in a cold plasma, 23:34448 (CONF-680113- (Vol.4), pp 1089-93)

Influence of a hf magnetic field on plasma instabilities, 23:34447 (CONF-680113- (Vol.4), pp 1077-88)

Nonlinear damping of electromagnetic waves in an inhomogeneous plasma, 23:18686 (CONF-680113- (Vol.1), pp 379-90)

Plasma generation and acceleration by hf fields, 23:18665 (CONF-680113- (Vol.2), pp 525-40)

Wave-plasma interactions in an inhomogeneous magnetostatic field, 23:18690 (CONF-680113- (Vol.2), pp 511-23)

CESKOSLOVENSKA AKADEMIE VED, PRAGUE. USTAV JADERNEHO

VYZKUMU.

Bibliography on fission track solid state detector, 23:31516 (NP-17917)

Dipole photodisintegration of 9Be , 23:19161 (UJV-2092-F)

Glass thermoluminescent dosimeter, 23:7804 (CONF-680920-, pp 18-26)

CESKOSLOVENSKA AKADEMIE VED, REZ. USTAV JADERNEHO VYZKUMU.

Accelerator produced isotopes, 23:35418 (UJV-2115-Ch)

Age-diffusion heterogeneous kernel in cylindrical reactor, 23:7416 (UJV-2072-R)

Anomalous capture of thermal polarized neutrons in perfect ferromagnetic single crystals, 23:8908 (UJV-2080-F)

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 Calculations of fuel burn-up in heavy-water reactor considering changes in thermal and epithermal neutron spectra, 23:11186 (UJV-2027)
 Computer (Gier--Algol) program for computing electron and positron wave functions, 23:46248 (UJV-2184-F)
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 Dependence of parameter α in rational approximation of fuel escape probability on temperature and interference scattering, 23:9230 (UJV-1999)
 Determination of radiocesium in fission products, 23:49695 (UJV-2241-CH)
 Dipole states in deformed nuclei, 23:7282 (UJV-2081-F)
 Doppler broadening of γ -line from reaction $^{10}\text{B}(n,\alpha)^7\text{Li}$ (γ 478 keV)⁷Li, 23:21278 (ZFK-130, pp 226-31)
 Effect of neutron irradiation on mechanical properties of welding A-2 and Mn--Ni--Mo steels, 23:8135 (UJV-2055-M)
 Electroneoemission (EE) and thermoluminescence (TL) from doped calcium sulphate crystals, 23:7818 (CONF-680920-, pp 220-33)
 Experimental investigations of local heat transfer coefficients in the ring channel and the influence of eccentricities in the temperature field, 23:43459 (KFK-tr-288)
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 Extraction of nitric acid, U, Pu, and fission products. VII, 23:7600 (UJV-1927)
 Fixation of concentrated wastes in cement, 23:50094 (UJV-2097-CH)
 Fixing radioactive waste with cement, 23:15928 (KFK-tr-260)
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 Focusing properties of homogeneous magnetic field boundary, 23:39871 (UJV-2178-F)
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 Influence of small changes in the geometry in a tubular fuel element on the temperature distribution, 23:45142 (UJV-2154)
 Influence of the partly dropped control rod on the temperature regime of surrounding fuel elements, 23:43052 (UJV-2166-R)
 Isolation of radiocesium from a fission product mixture by means of sorption on vanadium(IV) hexacyanoferrate, 23:49898 (UJV-2242-CH)
 Linear polarization measurements by Ge(Li) detector, 23:21944 (UJV-2113-F)
 Multigroup cross sections calculation for use in S/sub N/, 23:27673 (UJV-2129-R)
 Optical characteristics of a quadrupole lens pair, 23:39870 (UJV-2177-A)
 Polarization of atomic H beam, 23:8720 (UJV-2039)
 Preparation of thin films, 23:24440 (UJV-2148-F)
 Radiochemical isolations of some neutron-deficient isotopes of osmium and mercury, 23:45371 (UJV-2204-Ch)
 Relativistic kinematics in nuclear reactions, 23:42964 (UJV-2067-F)
 S/sub N/ calculation of transport of particles in cylindrical shielding, 23:27672 (UJV-2126-R)
 Strontium recovery from water waste, 23:24278 (UJV-2119-CH)
 Structure of giant dipole resonance of ^9Be nucleus, 23:21238 (ZFK-130, pp 190-3)
 SUNSPHER, SUNCYL programs for S/sub n/ approximation of transport equation in shielding of nuclear reactor, 23:26033 (UJV-2125-R)
 Thermal calculation of a tubular fuel element with a given radial thermal neutron flux, 23:52490 (UJV-2153-R)
 Thermal calculations of fuel element rods, 23:9160 (UJV-2023-R)
 Xenon stability of reactor A2. III, 23:26030 (UJV-2120-R)
 ETIS.
 see European Atomic Energy Community, Ispra (Italy). European Scientific Data Processing Center.
 Chalk River Nuclear Labs., Atomic Energy of Canada Ltd., Chalk River, Ont.
 see Atomic Energy of Canada Ltd., Chalk River (Ontario). Chalk River Nuclear Labs.
 CHALMERS TEKNISKA HOGSKOLA, GÖTEBORG (SWEDEN).
 Leadtime corrections in two-parameter system, 23:40992 (EUR-4289, pp 237-42)
 Spectra of interacting electrons in metals, 23:48984 (NP-18018)
 CHALMERS TEKNISKA HOGSKOLA, GÖTEBORG (SWEDEN).
 INSTITUTIONEN FÖR REAKTORFYSIK.
 Determination of neutron decay constants using simultaneous pulse height and time analysis, 23:28210 (CTH-RF-16)
 Repelcross Works, Production Group, United Kingdom Atomic Energy Authority, Annan, Scotland.
 see United Kingdom Atomic Energy Authority, Annan (Scotland). Production Group.

Charles Univ., Prague.
 see Karlova Universita. Prague (Czechoslovakia).
 Chesapeake Bay Inst., Johns Hopkins Univ., Baltimore, Md.
 see Johns Hopkins Univ., Baltimore, Md. Chesapeake Bay Inst.
 CHICAGO BRIDGE AND IRON CO., OAK BROOK, ILL.
 Quality assurance program for Monticello field-fabricated reactor vessel, 23:33341 (CONF-690609-10)
 CHICAGO OPERATIONS OFFICE (AEC), ILL. REACTOR ENGINEERING DIV.
 Compilation of information for existing large sodium valves, 23:26403 (COO-286)
 CHICAGO UNIV., ILL.
 anti pp annihilations at rest, 23:13084 (ANL/HEP-6812, pp 4-16)
 Clinical application ^{125}I bone densitometry, 23:6487 (ACRH-1000-58)
 Comparison of ^{68}Ga , /sup 99m/Tc, and /sup 113m/In used with γ camera and 3-inch and 5-inch scanners for visualization of lesions in the brain, kidney, liver, and lung, 23:6488 (ACRH-1000-82)
 Evaluation of large animal studies on recovery from radiation injury, 23:20344 (CONF-680507-, pp 143-53)
 Forward dispersion relations and microcausality, 23:39722 (COO-264-498)
 High-resolution autoradiography and its application to in vitro experiments, 23:11971 (CONF-671111-, pp 633-60)
 Model for low energy meson--baryon scattering, 23:1640 (COO-264-445)
 Quark model, 23:51912 (COO-264-520)
 Simple scanning electron microscope, 23:2691 (COO-1721-6)
 Spin 1 electrodynamics with an electric quadrupole moment, 23:39643 (COO-264-490)
 Uses and pitfalls of chromosomal labeling, 23:11973 (CONF-671111-, pp 679-94)
 CHICAGO UNIV., ILL. DEPT. OF BIOCHEMISTRY.
 Some studies of erythroid differentiation in vitro, 23:767 (ACRH-1000-67)
 CHICAGO UNIV., ILL. DEPT. OF CHEMISTRY.
 Prog. rpt. on paramagnetic resonance absorption, annual, 12/68, 23:8665 (COO-294-8)
 Prog. rpt. on radiation chemistry of organic compounds, 6/1/67--1/31/68, 23:31324 (COO-1043-2)
 Prog. rpt. on radiation chemistry of organic compounds, final, 6/68--5/69, 23:43336 (COO-1043-3)
 CHICAGO UNIV., ILL. DEPT. OF MEDICINE.
 Accidental radiogold (^{198}Au) liver scan overdose with fatal outcome, 23:41464 (ACRH-1000-129)
 Chromosomes in the myelodysplasias, 23:7436 (ACRH-1000-75)
 CHICAGO UNIV., ILL. DEPT. OF PATHOLOGY.
 Accidental radiogold (^{198}Au) liver scan overdose with fatal outcome, 23:41464 (ACRH-1000-129)
 Studies on the kinetics and radiation sensitivity of dendritic macrophages, 23:768 (ACRH-1000-80)
 CHICAGO UNIV., ILL. DEPT. OF PHYSICS.
 Models for K and eta decays, 23:3684 (COO-264-444)
 Parity constraints in the Veneziano model, 23:15084 (COO-264-471)
 PCAC and the Dalitz pair process, 23:15181 (COO-264-473)
 Quantisation of first or second order partial differential relativistic wave equations, 23:15194 (COO-264-464)
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 CHICAGO UNIV., ILL. DEPT. OF RADIOLOGY.
 Accidental radiogold (^{198}Au) liver scan overdose with fatal outcome, 23:41464 (ACRH-1000-129)
 Comparison between sensitivity and resolution based on clinical evaluation with ACRH brain scanner, 23:604 (ACRH-1000-68)
 CHICAGO UNIV., ILL. ENRICO FERMI INST. FOR NUCLEAR STUDIES.
 Models for K and eta decays, 23:3684 (COO-264-444)
 Parity constraints in the Veneziano model, 23:15084 (COO-264-471)
 PCAC and the Dalitz pair process, 23:15181 (COO-264-473)
 Prog. rpt. on nuclear chemistry, annual, 12/15/67--12/15/68, 23:21330 (COO-1167-6)
 Prog. rpt. on theoretical research in elementary particle physics, annual, 4--12/68, 23:13045 (COO-264-469)
 Quantisation of first or second order partial differential relativistic wave equations, 23:15194 (COO-264-464)
 Resonant states of elementary particles and hypernuclei, 23:39607 (AD-687143)
 Vector meson interaction Hamiltonian, 23:15110 (COO-264-472)
 CHICAGO UNIV., ILL. PRITZKER SCHOOL OF MEDICINE.
 Potentiation of lymphocyte transformation by membrane--membrane interaction, 23:38453 (ACRH-1000-137)
 Chicago. Univ. Argonne National Lab., Lemont, Ill.
 see Argonne National Lab., Ill.
 Chicago. Univ. Enrico Fermi Inst. for Nuclear Studies.
 see Chicago Univ., Ill. Enrico Fermi Inst. for Nuclear Studies.
 CHICAGO WESLEY MEMORIAL HOSPITAL, ILL.
 Newer concepts in radioisotope lung scanning, 23:8018 (COO-1732-15)

CHRYSLER CORP., NEW ORLEANS, LA. SPACE DIV.

Radiation protection study for photographic space film, 23:38142 (N-69-18734)

CINCINNATI UNIV., OHIO.

Prog. rpt. on effects of uranyl acetate on proximal tubular function in rabbit kidney, annual, 10/68, 23:6343 (COO-1691-3)

CINCINNATI UNIV., OHIO. DEPT. OF ENVIRONMENTAL HEALTH.

Prog. rpt. on effect of ionizing radiations on the olfactory system, 1/1/69--9/1/69, 23:50831 (COO-1669-6)

CINCINNATI UNIV., OHIO. DEPT. OF PHYSICS.

Lorentz covariant wave functions and equations for elementary systems, 23:10769 (NP-17735)

CISE.

see Centro Informazione Studi Esperienze, Milan (Italy).

CITY COLL., NEW YORK.

Coefficients of dynamical friction and diffusion in turbulent plasma, 23:25341 (BMwF-FBK-69-3, pp 17.1-16) Iron and steel with hydrogen, 23:29980 (CONF-680810-, pp 181-96)

Transport coefficients in a plasma with collisions by quasi-linear approximation, 23:25342 (BMwF-FBK-69-3, pp 18.1-24)

Transport coefficients in a plasma with collisions by quasilinear approximation, 23:36679 (AD-682336)

CITY COLL., NEW YORK. DEPT. OF PHYSICS.

Further evidence for $Y_1^*(1616)$ from 3.9 GeV/c K-n interactions, 23:32621 (BNL-13681)

City Univ., New York. City Coll.

see City Coll., New York.

CIVILFORSVARSSYSTEM (DENMARK).

Instructions for a public shelter, 23:2539 (ORNL-tr-2009)

CLARKSON COLL. OF TECH., POTSDAM, N.Y. DEPT. OF PHYSICS.

Thermoluminescence spectrum and the energy conversion efficiency of lithium fluoride, 23:7843 (CONF-680920-, pp 607-12)

CLEMSON UNIV., S. C. DEPT. OF PHYSICS.

Prog. rpt. on radiation effects in crystalline materials, 4/69, 23:30619 (ORO-3098-12)

CLEMSON UNIV., S.C. WATER RESOURCES RESEARCH INST.

Conference on hydrology in water resources management, Clemson, S. C., 3/68, 23:43397 (CONF-680309)

CLERMONT-FERRAND UNIV. (FRANCE).

Activation experiments with pions, 23:9041 (TID-24667, pp 637-9)

CLEVELAND ELECTRIC ILLUMINATING CO., OHIO.

Davis-Besse Nuclear Power Station: application for licenses, 23:43047 (DOCKET-50346-1)

CLEVELAND PSYCHIATRIC INST., OHIO. LAB. OF NEUROCHEMISTRY.

Head irradiation and aging, 23:12192 (BNL-13065)

CLINICA PUERTA DE HIERRO, MADRID (SPAIN).

Evaluation of hepatic gammagraphy with radioactive colloidal gold, 23:33751 (CONF-670649-3)

Morphological demonstration of spleen and kidneys with aceto-mercuri-hydroxypropane labeled with ^{197}Hg , 23:24677 (CONF-670649-16)

Study of the parasternal lymphatic ganglia by means of gammagraphy and subcutaneous injection of iodine contrasts, 23:24676 (CONF-670649-4)

Teaching of nuclear medicine, 23:31832 (CONF-670649-5)

CNMB.

see European Atomic Energy Community, Geel (Belgium). Central Nuclear Measurements Bureau.

COAST AND GEODETIC SURVEY, LAS VEGAS, NEV. SPECIAL PROJECTS PARTY.

Ground motion and structural response instrumentation, 23:45582 (NVO-40(Rev.2), pp 83-97)

U. S. Coast and Geodetic Survey seismograph systems, 23:22114 (CGS-C-106)

COAST AND GEODETIC SURVEY, ROCKVILLE, MD.

Seismic analysis of nuclear explosion, GASBUGGY, 23:21842 (PNE-G-32)

COAST GUARD, WASHINGTON, D.C.

Coast Guard and maritime radioactive materials traffic, 23:552 (CONF-681001-, pp 62-71)

COLLEGE DE FRANCE, PARIS. LABORATOIRE DE PHYSIQUE NUCLEAIRE.

COCCINELLE: device for automatic pattern recognition and event measurement on bubble chamber photographs, 23:33492 (ANL-7515, pp 6-21)

COLOGNE UNIV. (WEST GERMANY).

Radiation chemistry research center, 23:26400 (BMwF-FBK-68-47)

COLORADO COLL., COLORADO SPRINGS. DEPT. OF PHYSICS.

SPASM: programmed CRT precision scanning and measuring system, 23:17798 (HUX-2752-39)

COLORADO COOPERATIVE WILDLIFE RESEARCH UNIT, FORT COLLINS.

Zinc-65 in birds with special reference to mallard, 23:11984 (COO-1744-1)

COLORADO SCHOOL OF MINES RESEARCH FOUNDATION, INC., GOLDEN.

Report on radon and helium occurrences in soil gas, 23:13883 (GJO-928-1)

Colorado State Univ., Fort Collins. Colorado Cooperative Wildlife Research Unit.

see Colorado Cooperative Wildlife Research Unit, Fort Collins.

COLORADO STATE UNIV., FORT COLLINS. DEPT. OF ANIMAL

SCIENCE.

Food chain transfer of ^{137}Cs from troposphere to man, 23:38553 (COO-1171-103)

COLORADO STATE UNIV., FORT COLLINS. DEPT. OF CHEMISTRY.

Prog. rpt. on chemical effects of reaction $^{14}\text{N}(n,p)^{14}\text{C}$ in nitrogenous compounds, 5/68--4/69, 23:13741 (COO-1620-3)

COLORADO STATE UNIV., FORT COLLINS. DEPT. OF RADIOLOGY AND RADIATION BIOLOGY.

Prog. rpt. on radioecology of natural organisms and systems in Colorado, 1--12/68, 23:20142 (COO-1156-30)

Prog. rpt. on unsupported ^{210}Po for ion exchange in soils and uptake in vegetation, 8/15/68--5/1/69, 23:33664 (COO-1733-3)

Radiation dosimetry for the respiratory tract of uranium miners, 23:29498 (COO-1500-12)

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COLORADO UNIV., BOULDER.

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Physical and chemical properties of irradiated lysozyme, 23:47460 (COO-690-34, Sect. 4)

Plasma diagnostic methods for ionized gas flows, 23:34388 (AD-684574)

Prog. rpt. on physics of solar corona, final, 2/67--8/68, 23:25068 (AD-674896)

Prog. rpt. on radiation effects in biochemistry and organic chemistry, 10/15/67--10/14/68, 23:7927 (COO-690-32)

Prog. rpt. on radiation effects in biochemistry and organic chemistry, annual, 10/15/68--10/14/69, 23:47457 (COO-690-34)

Prog. rpt. on specific attractions in ion exchange, final, 9/24/69, 23:47584 (COO-499-21)

Solubility characteristics of gamma irradiated lysozyme, 23:47459 (COO-690-34, Sect. 3)

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COLORADO UNIV., BOULDER. DEPT. OF PHYSICS AND ASTROPHYSICS.

Effective two-body force using $^{56}\text{Fe}(^3\text{He}, t)$ charge exchange reaction, 23:39975 (COO-535-593)

Colorado. Univ., Boulder. High Altitude Observatory. see High Altitude Observatory, Boulder, Colo.

Colorado Univ., Boulder. Joint Inst. for Lab. Astrophysics.

see Joint Inst. for Lab. Astrophysics, Boulder, Colo.

COLORADO UNIV., BOULDER. NUCLEAR PHYSICS LAB.

Prog. rpt. on nuclear physics, 11/67--11/68, 23:10936 (COO-535-591)

COLORADO UNIV., DENVER. MEDICAL CENTER.

Digital computer analysis and display of the radioisotope scan, 23:16082 (COO-1472-22)

Prog. rpt. on computer analysis of radioisotope scan, 2/5/69, 23:16083 (COO-1472-23)

Prog. rpt. on growth of uterine and placental vasculature, 9/69, 23:45625 (COO-1762-4)

COLT INDUSTRIES, BELLOIT, WIS. FAIRBANKS MORSE POWER SYSTEMS DIV.

Fast starting diesel generators for nuclear plant protection, 23:31171 (CONF-690113-7)

COLUMBIA UNIV., DOBBS FERRY, N. Y. HUDSON LABS.

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Columbia Univ., New York. Dept. of Chemical Engineering. Liquid Metals Research Lab.
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Columbia Univ., New York. School of Engineering and Applied Science. Plasma Lab.
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COLUMBIA UNIV., PALISADES, N. Y. LAMONT-DOHERTY GEOLOGICAL OBSERVATORY.

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- Comitato Nazionale per l'Energia Nucleare, Frascati, Italy. Laboratori Nazionali, Laboratorio Gas Ionizzati. see Comitato Nazionale per l'Energia Nucleare, Frascati (Italy). Laboratorio Gas Ionizzati.
- COMITATO NAZIONALE PER L'ENERGIA NUCLEARE, LA SPEZIA (ITALY). LABORATORIO PER LO STUDIO DELLA CONTAMINAZIONE RADIOATTIVA DEL MARE.
Prog. rpt. on radioactive contamination of the sea, annual, 1967, 23:24609 (EUR-4244)
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- COMITATO NAZIONALE PER L'ENERGIA NUCLEARE, ROME (ITALY).

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COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION, SYDNEY (AUSTRALIA). RADIOPHYSICS LAB.

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Communaute Europeenne de l'Energie Atomique.

see European Atomic Energy Community.

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- CONSIGLIO NAZIONALE DELLE RICERCHE, ROME (ITALY).
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- CONSIGLIO NAZIONALE DELLE RICERCHE, MILAN (ITALY).
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- CONSOLIDATED CONTROLS CORP., BETHEL, CONN.
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- CONSUMERS POWER CO., JACKSON, MICH.
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- 23:15540 (DOCKET-50255-13)
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 CONTROLS FOR RADIATION, INC., CAMBRIDGE, MASS.
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 Cornell Univ., Buffalo. Cornell Aeronautical Lab.
 see Cornell Aeronautical Lab., Inc., Buffalo, N. Y.
 CORNELL UNIV., ITHACA, N. Y.
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 CORNELL UNIV., ITHACA, N.Y. CENTER FOR RADIOPHYSICS AND SPACE RESEARCH.
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 CORNELL UNIV., ITHACA, N. Y. DEPT. OF FLORICULTURE AND ORNAMENTAL HORTICULTURE.
 Prog. rpt. on loss of organic and inorganic materials from above-ground plant parts, annual, 1968--69, 23:24505 (NYO-2598-45)
 CORNELL UNIV., ITHACA, N. Y. DEPT. OF MATERIALS SCIENCE AND ENGINEERING.
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 CORNELL UNIV., ITHACA, N.Y. LAB. OF PLASMA STUDIES.
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 CORNELL UNIV., ITHACA, N. Y. MATERIALS SCIENCE CENTER.
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 Cornell Univ., Ithaca, N. Y. State Veterinary Coll. Dept. of Physical Biology.
 see New York State Veterinary Coll., Ithaca. Dept. of Physical Biology.
 CORNING GLASS WORKS, N. Y. RESEARCH AND DEVELOPMENT LABS.
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 Corps of Engineers, Fort Worth, Tex. Army Engineer District.
 see Army Engineer District, Fort Worth, Tex.
 Corps of Engineers, Omaha, Nebr. Army Engineer District.
 see Army Engineer District, Omaha, Nebr.
 Corps of Engineers. Army Cold Regions Research and Engineering Lab., Hanover, N. H.
 see Army Cold Regions Research and Engineering Lab., Hanover, N. H.
 Cosmic Ray Group, Univ. of Minnesota, Minneapolis.
 see Minnesota Univ., Minneapolis. Cosmic Ray Group.
 COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH, PRETORIA (SOUTH AFRICA). NATIONAL INST. FOR TELECOMMUNICATIONS RESEARCH.
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 see New York Univ., N. Y. Courant Inst. of Mathematical Sciences.
 Courant Inst. of Mathematical Sciences. Atomic Energy Commission Computing and Applied Mathematics Center, New York Univ.
 see New York Univ., N. Y. AEC Computing and Applied Mathematics Center.
 Coyne and Bellier, Paris, France.
 see Bureau d'Etudes A. Coyne et J. Beillier, Paris (France).
 Crocker Nuclear Lab., Univ. of California, Davis.
 see California Univ., Davis. Crocker Nuclear Lab.
 Cruft Lab., Harvard Univ., Cambridge, Mass.
 see Politecnico di Milano (Italy). Istituto di Fisica.
 Culham Lab., United Kingdom Atomic Energy Authority, Abingdon, England.
 see United Kingdom Atomic Energy Authority, Abingdon (England). Culham Lab.
 Czechoslovak Academy of Sciences. Inst. of Nuclear Research, Rez.
 see Československa Akademie Ved, Rez. Ústav Jaderneho Vyzkumu.

D

- DAI NIPPON TORYO CO. LTD., CHIGASAKI. RESEARCH DEPT.
 Thermoluminescence of Y₂O₃-Al₂O₃:Tb phosphors, 23:7805 (CONF-680920-, pp 27-42)
 DAMES AND MOORE, NEW YORK.
 North Anna Power Station, Units 1 and 2: site environmental studies, 23:19435 (DOCKET-50338-1)
 Daniel Yankelovich, Inc., New York.
 see Yankelovich (Daniel) Inc., New York.
 DANISH ATOMIC ENERGY COMMISSION, RISØE. RESEARCH ESTABLISHMENT.
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- Microbiological control of radiation sterilization of medical supplies. II, 23:48293 (RISO-194)
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- Danish Civil Defense Office.
see Civilforsvarsstyrelsen (Denmark).
- Danish Defence Research Board, Copenhagen.
see Forsvarets Forskningsrad, Copenhagen (Denmark).
- DARESBURY NUCLEAR PHYSICS LAB. (ENGLAND).
Experimental utilization of NINA Booster, 23:30688 (DNPL/R-3)
- Operational health physics at the 5-GeV electron synchrotron NINA, 23:30852 (DNPL/P-6)
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- Prog. rpt., annual, 1968, 23:30856 (NP-17900)
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- DARTMOUTH COLL., HANOVER, N. H.
Color centers and thermoluminescence process in LiF:Mg , 23:1516 (NYO-3474-5)
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- DARTMOUTH COLL., HANOVER, N. H. DEPT. OF EARTH SCIENCES.
Radiation dosimetry, correlation, and dating of calcareous deep-sea cores, 23:49931 (NYO-3860-2)
- DARTMOUTH COLL., HANOVER, N. H. THAYER SCHOOL OF ENGINEERING.
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- DASA.
see Defense Atomic Support Agency, Washington, D. C.
- DAYTON UNIV., OHIO.
Rare earth--cobalt permanent magnets, 23:8646 (CONF-681020-(Vol.1), pp 17-28)
- DAYTON UNIV., OHIO. RESEARCH INST.
Computer program for calculation of electric fields in electrofluiddynamic generator, 23:30388 (AD-680006)
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- DEFENCE STANDARDS LABS., MARIBYRNONG (AUSTRALIA).
High speed instrumentation of explosive phenomena, 23:33128 (NP-17862)
- Notch toughness of mild steel submerged arc welds, 23:33949 (NP-17940)
- DEFENSE ATOMIC SUPPORT AGENCY, WASHINGTON, D. C.
Bibliography on nuclear radiation, command operational exposure guidance, and contamination control levels, 23:43795 (AD-837275)
- Conference on physics and chemistry of the upper atmosphere, Waltham, Mass., 6/68, 23:44249 (CONF-680661-(Absts.))
- DEFENSE DOCUMENTATION CENTER, ARLINGTON, VA.
Magnetohydrodynamic generators. I, 23:44215 (AD-686000)
- DELAWARE UNIV., NEWARK. DEPT. OF CHEMISTRY.
Prog. rpt. on radiation chemistry of liquids, 5/8/68--6/1/69, 23:35133 (NYO-3383-16)
- DELAWARE UNIV., NEWARK. DEPT. OF PHYSICS.
Prog. rpt. on radiation-induced defects in alkali halides, annual, 3/68--2/69, 23:5452 (NYO-3842-5)
- Delft, Netherlands. Technische Hogeschool.
see Technische Hogeschool, Delft (Netherlands).
- Delft Reactor Inst., Netherlands.
see Reactor Instituut, Delft (Netherlands).
- DELHI UNIV. (INDIA).
Broken symmetry and elementary particle interactions, 23:5645 (NP-17659)
- DEMOCRITUS NUCLEAR RESEARCH CENTER, ATHENS (GREECE).
Simple cryostat for N.Q.R. measurements, 23:10572 (DEMO-68/6)
- System analysis and simulation in magnetohydrodynamics, 23:42022 (DEMO-69/2)
- DENISON UNIV., GRANVILLE, OHIO.
Computer assisted theoretical and experimental analysis of the thermoluminescence of LiF:Mg , 23:7844 (CONF-680920-, pp 613-22)
- Denmark. Atomenergikommissionen, Copenhagen.
see Atomenergikommissionen, Copenhagen (Denmark).
- Denmark. Atomenergikommissionen. Forsøgsinstitut, Risø.
see Danish Atomic Energy Commission, Risø. Research Establishment.
- Denmark. Forsvarets Forskningsrad, Copenhagen.
see Forsvarets Forskningsrad, Copenhagen (Denmark).
- DENVER RESEARCH INST., COLO.
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- Denver. Univ. Denver Research Inst.
see Denver Research Inst., Colo.
- DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.
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- DEPARTMENT OF ATOMIC ENERGY, BOMBAY (INDIA).
Prog. rpt., 1968--69, 23:45161 (NP-17988)
- Symposium on nuclear and radiation chemistry, Poona, 3/67, 23:222
- DEPARTMENT OF ATOMIC ENERGY, BOMBAY (INDIA). COSMIC RAY COMMITTEE.
Astrophysics: electrons, x rays, and gamma rays, 23:18456 (CONF-671217-, pp 224-86)
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- Conference on cosmic rays, elementary particle physics and astrophysics, Aligarh, India, 12/67, 23:18452 (CONF-671217)
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- Cosmic rays: primary cosmic radiation, 23:18453 (CONF-671217-, pp 1-100)
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- Elementary-particle physics: theories, 23:18823 (CONF-

DEPARTMENT OF ATOMIC ENERGY, BOMBAY (INDIA). PHYSICS COMMITTEE.

- Conference on nuclear physics and solid state physics, Bombay, 12/68, 23:37135 (CONF-681210-(Vol.1))
 Conference on nuclear physics and solid state physics, Bombay, India, 12/68, 23:42383 (CONF-681210-(Vol.3))
 Conference on nuclear physics, Madras, 2/27--3/1/68, 23:19325 (CONF-680212)

Department of Commerce and Economic Development, Olympia, Wash. Office of Nuclear Energy Development.
 see Washington State Office of Nuclear Energy Development, Olympia.

DEPARTMENT OF ENERGY, MINES AND RESOURCES, OTTAWA (ONTARIO). MINES BRANCH.

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DEPARTMENT OF NATIONAL HEALTH AND WELFARE, OTTAWA (ONTARIO). RADIATION PROTECTION DIV.

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DEPARTMENT OF SUPPLY, CANBERRA (AUSTRALIA).

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 Department of the Interior, Washington, D. C. Office of Saline Water.

see Office of Saline Water, Washington, D. C.

DEPARTMENT OF TRANSPORTATION, WASHINGTON, D.C.

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DEPARTMENT OF WATER AND POWER, LOS ANGELES, CALIF.

Malibu Nuclear Plant, Unit 1 preliminary hazards summary report, Pt. B, 23:43032 (DOCKET-50214-1)

DESY.

see Deutsches Elektronen-Synchrotron, Hamburg (West Germany).

DETROIT EDISON CO., MICH.

- Compilation of current technical experience at Enrico Fermi Atomic Power Plant, 7--9/68, 23:9071 (APDA-CFE-24)
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 Enrico Fermi Atomic Power Plant, Unit 2 preliminary safety analysis report, Vol. 2, Exhibit C, 23:31121 (DOCKET-50341-2)
 Enrico Fermi Atomic Power Plant, Unit 2 preliminary safety analysis report, Vol. 4, Exhibit C, 23:31123 (DOCKET-50341-4)
 Enrico Fermi Atomic Power Plant, Unit 2 preliminary safety analysis report, Vol. 3, Exhibit C, 23:31122 (DOCKET-50341-3)
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 Deutsche Akademie der Wissenschaften zu Berlin. Zentralinstitut fuer Kernforschung, Rossendorf bei Dresden.
 see Zentralinstitut fuer Kernforschung, Rossendorf bei Dresden (East Germany).

DEUTSCHE FORSCHUNGSANSTALT FUER LUFT- UND RAUMFAHRT, BRUNSWICK (WEST GERMANY). INSTITUT FUER STRAHLANTRIEBE.

Theoretical considerations on a vaporization cooling system with capillary distributor, 23:7690 (DLR-FB-67-85)

Deutsche Luft- und Raumfahrt, Brunswick. Institut fuer Strahlantriebe.

see Deutsche Forschungsanstalt fuer Luft- und Raumfahrt, Brunswick (West Germany). Institut fuer Strahlantriebe.

Deutsche Luft- und Raumfahrt, Porz-Wahn. Institut fuer Energiewandlung und Elektrische Antriebe.

see Deutsche Versuchsanstalt fuer Luft- und Raumfahrt E. V., Porz (West Germany). Institut fuer Energiewandlung und Elektrische Antriebe.

DEUTSCHE VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT E. V., PORZ (WEST GERMANY). INSTITUT FUER ENERGIEWANDLUNG UND ELEKTRISCHE ANTRIEBE.

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DEUTSCHE VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT E.V., STUTTGART (WEST GERMANY).

Energy consumption, electrical conductivity and dielectric constant of charged particles in electric and magnetic fields, 23:34423 (AEC-tr-7049)

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DEUTSCHES ATOMFORUM E. V., DUESSELDORF (WEST GERMANY).

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DEUTSCHES ELEKTRONEN-SYNCHROTRON, HAMBURG (WEST GERMANY).

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 Diamond Labs., Washington, D. C.
 see Harry Diamond Labs., Washington, D. C.
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 see Army Missile Command, Redstone Arsenal, Ala.
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 DIVISION OF REACTOR DEVELOPMENT (AEC), WASHINGTON, D. C.
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 DIVISION OF REACTOR DEVELOPMENT AND TECHNOLOGY (AEC), WASHINGTON, D. C.
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 DIVISION OF TECHNICAL INFORMATION (AEC), WASHINGTON, D. C.
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 see McDonnell Astronautics Co., Richland, Wash. Donald W. Douglas Labs.
 Donald W. Douglas Labs., McDonnell Douglas Astronautics Co., Richland, Wash.
 see McDonnell Douglas Astronautics Co., Richland, Wash. Donald W. Douglas Labs.
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CENTRE DE RECHERCHES METALLURGIQUES.

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see also EG and G, Inc., Goleta, Calif.

EDGERTON, GERMESHAUSEN AND GRIER, INC., LAS VEGAS, NEV.

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EDGERTON, GERMESHAUSEN AND GRIER, INC., SANTA BARBARA, CALIF.

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Egypt. Atomic Energy Commission. Atomic Energy

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EIDGENOSSISCHE TECHNISCHE HOCHSCHULE, ZURICH

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- ENTE NAZIONALE PER L'ENERGIA ELETTRICA, LATINA (ITALY).
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- ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION, BOULDER, COLO.
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- Conference on acoustic-gravity waves in the atmosphere, Boulder, Colo., 7/68, 23:51452 (CONF-680722)
- Environmental Science Services Administration, Boulder, Colo. Inst. for Telecommunication Sciences and Aeronomy.
- see Institute for Telecommunication Sciences and Aeronomy, Boulder, Colo.
- ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION, LAS VEGAS, NEV. AIR RESOURCES LAB.
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- Environmental Science Services Administration, Rockville, Md. Coast and Geodetic Survey.
- see Coast and Geodetic Survey, Rockville, Md.
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- Ernest O. Lawrence Radiation Lab., Univ. of California, Berkeley.
- see California Univ., Berkeley. Lawrence Radiation Lab.
- Ernest O. Lawrence Radiation Lab., Univ. of California, Livermore.
- see California Univ., Livermore. Lawrence Radiation Lab.
- Ernest O. Lawrence Radiation Lab., Univ. of California, Mercury, Nev.
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- ESCHER WYSS G.M.B.H., ZURICH (SWITZERLAND).
- Industrial closed-cycle gas turbines for conventional and nuclear fuel, 23:45442 (CONF-670337-1)
- ESCUELA TECNICA SUPERIOR DE INGENIEROS INDUSTRIALES, BILBAO (SPAIN).
- Determination of rhenium by neutron activation in sedimentary rocks, 23:21665 (CONF-670649-30)
- ESCUELA TECNICA SUPERIOR DE INGENIEROS INDUSTRIALES, BILBAO (SPAIN). LABORATORIOS DE ENSAYOS E INVESTIGACION INDUSTRIAL.
- Determination of rhenium by neutron activation in sedimentary rocks, 23:21665 (CONF-670649-30)
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- ESRO Summer School, Alpbach, Austria.
- see European Space Research Organization, Alpbach (Austria). Summer School.
- ESTACION EXPERIMENTAL AGRICOLA DE LA MOLINA, LIMA (PERU).
- Prog. rpt. on radiation sterilization for control of South American fruit fly anastrepha fraterculus(Wied.), 3/31/69, 23:29919 (NYO-3989-1)
- Prog. rpt. on sterilization by irradiation for control of South-American fruit fly, 4--6/69, 23:48291 (NYO-3989-2)
- Esteban Terradas National Inst. of Aerospace Technology, Madrid, Spain.
- see Instituto Nacional de Tecnica Aeroespacial, Madrid (Spain).
- Euratom.
- see European Atomic Energy Community.
- Eurisotop, Euratom, Brussels, Belgium.
- see European Atomic Energy Community, Brussels (Belgium). Bureau Eurisotop.
- EUROCHEMIC.

see European Company for the Chemical Processing of Irradiated Fuels, Mol (Belgium).

EUROPEAN-AMERICAN COMMITTEE ON REACTOR PHYSICS.
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EUROPEAN ATOMIC ENERGY COMMUNITY, KARLSRUHE (WEST GERMANY).

INST. OF TRANSURANIUM ELEMENTS.

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EUROPEAN ATOMIC ENERGY COMMUNITY, KARLSRUHE (WEST GERMANY).

TRANSURANIUM INST.

see also European Atomic Energy Community, Karlsruhe

(West Germany). Inst. of Transuranium Elements.

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EUROPEAN ATOMIC ENERGY COMMUNITY, LUXEMBOURG. CENTER FOR

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EUROPEAN ATOMIC ENERGY COMMUNITY, PETTEN (NETHERLANDS).

JOINT NUCLEAR RESEARCH CENTER.

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EUROPEAN COMMUNITIES, LUXEMBOURG. COMMISSION.

Results of environmental radioactivity measurements in

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EUROPEAN COMPANY FOR THE CHEMICAL PROCESSING OF IRRADIATED

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Use of U(IV) in second uranium cycle of Eurochemic plant, 23:40795 (BNWL-tr-35)
EUROPEAN NUCLEAR ENERGY AGENCY, PARIS (FRANCE).
Conference on shock structure interactions in reactor vessels, Ispra, Italy, 6/66, 23:28504 (EUR-4101)
Conference on thermionic electrical power generation, Stresa, Italy, 5/68, 23:27410 (EUR-4210)
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Tenth activity report, 23:15601 (NP-17770)
Uranium production and short term demand, 23:26375 (NP-17855)
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH, GENEVA (SWITZERLAND).
(**2p) reactions on nuclei, 23:8937 (TID-24667, pp 626-36)
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F

. D. M., Utrecht.

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ACHVERBAND FUER STRAHLENSCHUTZ E.V.

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FACTORY MUTUAL RESEARCH CORP., NORWOOD, MASS.

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Fairbanks Morse Power Systems Div., Colt Industries,
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Power Systems Div.

FAIRCHILD HILLER CORP., FARMINGDALE, N. Y. REPUBLIC
AVIATION DIV.

Prog. rpt. on measurement of electric fields in
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Prog. rpt. on measurement of electric fields in
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37713)

FAIRY ENGINEERING LTD., HESTON (ENGLAND).

Components for nuclear power stations. Pts. A and B,
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FABENFABRIKEN BAYER A. G., LEVERKUSEN (WEST GERMANY).

Analysis of organic coolants for nuclear reactors,
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FEDERAL AVIATION AGENCY, PALMDALE, CALIF. LOS ANGELES AIR
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Federal Aviation Agency Airspace Advisory, Project Sulky,
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FEDERAL RADIATION COUNCIL, WASHINGTON, D. C.

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Feed Materials Production Center, Fernald, Ohio.

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FENIX AND SCISSON, INC., LAS VEGAS, NEV.

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Evaluation of materials and techniques for cementing
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38-17)

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Fermi Inst. for Nuclear Studies, Univ. of Chicago.

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FERRANTI LTD., OLDHAM (ENGLAND).

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FIAT, TURIN (ITALY). SEZIONE ENERGIA NUCLEARE.

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FIRE RESEARCH INST. OF JAPAN, TOKYO.

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Fish and Wildlife Service, Washington, D. C. Bureau of
Sport Fisheries and Wildlife.

see Bureau of Sport Fisheries and Wildlife, Washington,
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Fish and Wildlife Service. Bureau of Commercial Fisheries,
Ann Arbor, Mich.

see Bureau of Commercial Fisheries, Ann Arbor, Mich.

Fish and Wildlife Service. Radiobiological Lab., Beaufort,
N. C.

see Bureau of Commercial Fisheries, Beaufort, N. C.
Radiobiological Lab.

Fish and Wildlife Service. Technological Lab., Gloucester,

Mass.

see Bureau of Commercial Fisheries, Gloucester, Mass.
Technological Lab.

Fish and Wildlife Service. Technological Lab., Seattle.

see Bureau of Commercial Fisheries, Seattle, Wash.
Technological Lab.

Fisheries Radiobiological Lab., Ministry of Agriculture,
Fisheries and Food, Lowestoft, Suffolk, England.

see Ministry of Agriculture, Fisheries and Food,
Lowestoft (England). Fisheries Radiobiological Lab.

Fiziko-Energeticheskii Institut, Gosudarstvennyi Komitet po
Ispol'zovaniyu Atomnoi Energii SSSR, Obninsk.

see Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi
Energii SSSR, Obninsk. Fiziko-Energeticheskii
Institut.

Fiziko-Tekhnicheskii Institut, Gosudarstvennyi Komitet po
Ispol'zovaniyu Atomnoi Energii SSSR, Sukhumi.

see Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi
Energii SSSR, Sukhumi. Fiziko-Tekhnicheskii
Institut.

FLORENCE UNIV. (ITALY). ISTITUTO DI FISICA.

³⁰K radiation and cosmology, 23:8422 (ISS-68/15, pp 22-
5)

FLORIDA AGRICULTURAL EXPERIMENT STATION, GAINESVILLE.

Prog. rpt. on radiation induced alterations in
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FLORIDA POWER AND LIGHT CO.

Hutchinson Island Plant, Unit 1 preliminary safety
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Turkey Point Nuclear Generating Units 3 and 4,
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Turkey Point Nuclear Generating Units 3 and 4,
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Turkey Point Nuclear Generating Units 3 and 4,
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23:11098 (DOCKET-50250-11)

Turkey Point Plant, Units 3 and 4 final safety analysis
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Turkey Point Plant, Units 3 and 4 final safety analysis
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Turkey Point Plant, Units 3 and 4 final safety analysis
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FLORIDA POWER CORP., ST. PETERSBURG.

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Crystal River Nuclear Generating Plant, Unit 3
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Crystal River Nuclear Generating Plant, Units 3 and 4
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FLORIDA STATE UNIV., TALLAHASSEE.

Effects of repeated low dose x-irradiation on
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36069)

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Prog. rpt. on radiation induced luminescent processes in
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FLORIDA STATE UNIV., TALLAHASSEE. DEPT. OF CHEMISTRY.

Prog. rpt. on structural studies of metal coordination
compounds, annual, 3/67--10/68, 23:7439 (ORO-2503-10)

FLORIDA STATE UNIV., TALLAHASSEE. DEPT. OF PHYSICS.

- Prog. rpt. on research in experimental and theoretical low-energy nuclear physics, final, 10/67--9/68, 23:37284 (AD-684735)
- Theory of capture reactions, 23:34806 (ANL-7282, pp 417-25)
- FLORIDA STATE UNIV., TALLAHASSEE. DEPT. OF PSYCHOLOGY.
- Prog. rpt. on use of ionizing radiations as stimuli, 6/68--5/69, 23:33831 (ORO-2903-44)
- FLORIDA STATE UNIV., TALLAHASSEE. INST. OF MOLECULAR BIOPHYSICS.
- Prog. rpt. on molecular biophysics, annual, 9/68--8/69, 23:50835 (TID-25119)
- FLORIDA UNIV., GAINESVILLE.
- Effects of low-level irradiation upon the preservation of food products, 23:18163 (CONF-681006-- , pp 135-9)
- Endothelial cell as an indicator of animal radiosensitivity, 23:18089 (CONF-670503-- , pp 127-30)
- Prog. rpt. on anaplasmosis of cattle, 3/69, 23:50369 (ORO-3120-8)
- Prog. rpt. on nuclear chemistry, 1968, 23:15432 (ORO-2843-13)
- Florida Univ., Gainesville. Agricultural Experiment Station.
- see Florida Agricultural Experiment Station, Gainesville.
- FLORIDA UNIV., GAINESVILLE. COLL. OF MEDICINE.
- Prog. rpt. on visual cellular stimulation by high energy quanta, annual, 12/1/67--9/1/68, 23:2745 (ORO-3599-4)
- Prog. rpt. on visual cellular stimulation by high-energy quanta, annual, 12/68--9/69, 23:45899 (ORO-3599-5)
- FLORIDA UNIV., GAINESVILLE. DEPT. OF FOOD SCIENCE.
- Prog. rpt. on effects of low level irradiation upon preservation of food products, annual, 4/15/66--4/14/67, 23:50964 (ORO-3097-8)
- FLORIDA UNIV., GAINESVILLE. DEPT. OF NUCLEAR ENGINEERING SCIENCES.
- Prog. rpt. on chemical structural studies by nuclear techniques, annual, 3/68--2/69, 23:21681 (ORO-3345-4)
- Prog. rpt. on plasma diagnostic techniques for nonequilibrium plasmas, annual, 9/67--10/68, 23:25290 (AD-679177)
- Pulsed and modulated neutron experiments, 23:47243 (CNM-R-2(Vol.1), pp 573-93)
- FLORIDA UNIV., GAINESVILLE. DEPT. OF OPHTHALMOLOGY.
- Prog. rpt. on visual cellular stimulation by high energy quanta, 1967--69, 23:48201 (TID-25195)
- FLORIDA UNIV., GAINESVILLE. ENGINEERING AND INDUSTRIAL EXPERIMENT STATION.
- Prog. rpt. on flow stress in Ti and Zr, annual, 1969, 23:18239 (ORO-3262-10)
- FLORIDA UNIV., GAINESVILLE. RADIATION BIOLOGY LAB.
- Prog. rpt., 8/67--7/68, 23:2744 (ORO-3596-6)
- Flow Corp., Watertown, Mass. Conesco Div.
- see Conesco, Watertown, Mass.
- FOM. Instituut voor Plasma-Fysica, Juthaas, Netherlands.
- see Stichting voor Fundamenteel Onderzoek der Materie, Juthaas (Netherlands). Instituut voor Plasma-Fysica.
- FOOD AND DRUG RESEARCH LABS., INC., NEW YORK.
- Chronic toxicity studies on low-dose irradiated bananas, 23:18164 (CONF-681006-- , pp 149-53)
- FORD INSTRUMENT, LONG ISLAND CITY, N.Y.
- Fallout model analysis, 23:38104 (AD-686830)
- FORD INSTRUMENT CO., LONG ISLAND CITY, N.Y.
- see also Ford Instrument, Long Island City, N.Y.
- FORDHAM UNIV., NEW YORK. DEPT. OF CHEMISTRY.
- Moessbauer effect investigation on tin bonding, 23:34961 (NYO-906-86)
- Preparation and structural studies of some transition metal chelates of furoyltrifluoroacetone, 23:34960 (NYO-906-85)
- FOREST SERVICE, BERKELEY, CALIF. PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION.
- Development of some radioisotope procedures for measuring water movement in trees, 23:47918 (TID-25136)
- FORSCHUNGSINSTITUT FUER MILITAERISCHE BAUTECHNIK, ZURICH (SWITZERLAND).
- Effect of radioactive fallout on the passage of mobile troops, 23:29471 (FMB-68-7)
- Evaluation of the infinite dose and the time after which one can leave the shelter, 23:24610 (FMB-67-4-A)
- Protection against radioactivity in ditches, 23:31799 (FMB-68-8)
- Thoughts on desirable properties of a dosimeter for private protection rooms, 23:33536 (NP-17843)
- Twelve rules of thumb for the correct behavior in shelters for radioactively contaminated surroundings, 23:31805 (FMB-67-4-B)
- FORSKNINGRADENS LABORATORIUM, STODSVIK (SWEDEN).
- Precision measurements in decay of ^{113}Sn , 23:11000 (NP-17722)
- FORSVARETS FORSKNINGSANSTALT, STOCKHOLM (SWEDEN).
- 5-MeV γ -ray intensity anomaly in the (d,py) reaction, 23:34776 (ANL-7282, pp 398-405)
- Absorption of ^{90}Sr and ^{137}Cs from soil by vegetable crops, 23:26785 (FOA-4-4387)
- Charge mass and elevation influence on seismic waves from explosions above ground, 23:7652 (FOA-4-4375)
- Fission spectra: a literature search, 23:13306 (FOA-4-4237)
- Internal LiF beta-ray dosimetry, 23:33534 (FOA-4-4389)
- Investigations on nuclear debris from the 7th Chinese test, 23:17573 (FOA-4-4386)
- Lattice symmetry corrections to energy-bands from a spherical model. II, 23:15755 (FOA-4-4380)
- Overpressure suit of pvc-plastic for work with radioactive materials, 23:29537 (FOA-4-4371)
- Plant accumulation of fission products under Swedish conditions. IX, 23:11986 (FOA-4-4378)
- Plant accumulation of fission products under Swedish conditions. XI, 23:43658 (FOA-4-4395)
- Recent developments in solid state neutron dosimetry, 23:20009 (CONF-680507-- , pp 257-62)
- Telesismic relative location of closely spaced epicenters, 23:6234 (FOA-4-4370)
- Variance reduction in calculation of uncharged particle transport by Monte Carlo technique, 23:42377 (FOA-4-4393)
- FORSVARETS FORSKNINGINSTITUTT, KJELLER (NORWAY).
- Prog. rpt. on observations and studies of auroral ionization processes, 2/68--2/69, 23:51447 (AD-689185)
- FORSVARETS FORSKNINGSRAD, COPENHAGEN (DENMARK).
- Measurements of fission product activity in air and in precipitation up to 12/31/68, 23:47642 (FFR-406/69)
- Measurements of fission product activity in air and precipitation, 6/30/68, 23:21822 (FFR-403/68)
- Foundation for Fundamental Research on Matter, Utrecht.
- see Stichting voor Fundamenteel Onderzoek der Materie, Utrecht.
- Foundation for Fundamental Research on Matter. Inst. for Plasma-Physics, Juthaas, Netherlands.
- see Stichting voor Fundamenteel Onderzoek der Materie, Juthaas (Netherlands). Instituut voor Plasma-Fysica.
- Foundation Inst. for Nuclear Physics Research, Amsterdam.
- see Stichting Instituut voor Kernfysisch Onderzoek, Amsterdam (Netherlands).
- France. Centre National de la Recherche Scientifique, Paris.
- see Centre National de la Recherche Scientifique, Paris (France).
- France. Centre National de la Recherche Scientifique, Verrieres-le-Buisson.
- see Centre National de la Recherche Scientifique, Verrieres-le-Buisson (France).
- France. Commissariat a l'Energie Atomique, Paris.
- see Commissariat a l'Energie Atomique, Paris (France).
- France. Commissariat a l'Energie Atomique, Pierrelatte.
- see Commissariat a l'Energie Atomique, Pierrelatte (France).
- France. Commissariat a l'Energie Atomique. Centre d'Etudes Nucleaires, Cadarache.
- see Commissariat a l'Energie Atomique, Cadarache (France). Centre d'Etudes Nucleaires.
- France. Commissariat a l'Energie Atomique. Centre d'Etudes Nucleaires, Fontenay-aux-Roses.
- see Commissariat a l'Energie Atomique, Fontenay-aux-Roses (France). Centre de Etudes Nucleaires.
- France. Commissariat a l'Energie Atomique. Centre d'Etudes Nucleaires, Grenoble.
- see Commissariat a l'Energie Atomique, Grenoble (France). Centre a Etudes Nucleaires.
- France. Commissariat a l'Energie Atomique. Centre d'Etudes Nucleaires, Saclay.
- see Commissariat a l'Energie Atomique, Saclay (France). Centre d'Etudes Nucleaires.
- France. Commissariat a l'Energie Atomique. Centre de Production de Plutonium de Marcoule, Chusclan.
- see Commissariat a l'Energie Atomique, Chusclan (France). Centre de Production de Plutonium de Marcoule.
- France. Office National d'Etudes et de Recherches Aeronautiques, Chatillon-sous-Bagneux.
- see Office National d'Etudes et de Recherches Aeronautiques, Chatillon-sous-Bagneux (France).
- FRANKFURT UNIV. (WEST GERMANY).
- Experimental animal studies on the thorotrast problem, 23:6432 (ANL-Trans-672)
- FRANKFURT UNIV. (WEST GERMANY). INSTITUT FUER ANGEWANDTE PHYSIK.
- Efficiency and cross section of cylindrical scintillators in axisymmetrical γ -ray fields, 23:38243 (BMwF-FBK-69-20)
- Multiple scattering of γ radiation in media of low atomic number, 23:51745 (ORNL-tr-1891)
- FRANKFURT UNIV. (WEST GERMANY). INSTITUT FUER KERNPHYSIK.
- Energy distribution and dose rate of gamma rays from radioactive clouds on the earth's surface, 23:13871 (IKF-21)
- Scattering of thermal neutrons on single crystals of ice, 23:28212 (IKF-22)
- Two nucleon transfer reactions, 23:15492 (IKF-19)
- Universal Monte Carlo method for solution of electron transport problems, 23:14853 (IKF-20)
- Universal Monte Carlo method for solution of electron transport problems, 23:34258 (ORNL-tr-2126)
- Frankfurt am Main. Universitat. Institut fur Kernphysik.
- see Frankfurt Univ. (West Germany). Institut fuer Kernphysik.
- FRANKLIN INST., PHILADELPHIA, PA. LABS. FOR RESEARCH AND DEVELOPMENT.
- see also Franklin Inst. Research Labs., Philadelphia, Pa.
- Franklin Inst., Philadelphia, Pa. Research Labs.
- see Franklin Inst. Research Labs., Philadelphia, Pa.

Franklin Inst. Bartol Research Foundation.
see Bartol Research Foundation, Swarthmore, Pa.
FRANKLIN INST. RESEARCH LABS., PHILADELPHIA, PA.
Bibliography on prestressed concrete in nuclear pressure vessels, 23:16011 (ORNL-TM-1675 (Rev.1))
Design and construction practices of prestressed concrete and reinforced concrete containment vessels, 23:47137 (TID-25176)
Studies of structural response of casks to impact, 23:575 (CONF-681001-, pp 373-98)
FREIBURG UNIV. (WEST GERMANY). RADIOLOGISCHES INSTITUT.
Chemical radiation protection, 23:20197 (CONF-680507-, pp 387-92)
Radiation--traumatic combination injuries, 23:20265 (CONF-680507-, pp 124-42)
FREIE UNIVERSITAET, BERLIN (WEST GERMANY).
Techniques and results of multi-nuclide scintigraphy ("multi-isotope scanning"), 23:18046 (CONF-670958-, pp 76-87)
FRIBOURG UNIV. (SWITZERLAND).
Dependence of ν -nucleus cross sections on the mass number, 23:25504 (CERN-69-7, pp 61-71)
FRIBOURG UNIV. (SWITZERLAND). PHYSIKALISCHES INSTITUT.
Graphic representation for rapid estimation of expected dose in exposure to contamination, 23:20195 (CONF-680507-, pp 362-75)
Semiconductor measurement of fallout, 23:19929 (CONF-680507-, pp 84-9)
Three-dimensional scheme for classification of radioactivity measurements in the biosphere, 23:20193 (CONF-680507-, pp 340-5)
FRIBOURG UNIV. (SWITZERLAND). PHYSIKALISCHES INSTITUT.
Disintegration of ^{104}Rh (43 sec) and of $^{104\text{m}}\text{Rh}$ (4.4 min), 23:46982 (CONF-690518-1)
Frick Chemical Lab., Princeton Univ., N. J.
see Princeton Univ., N. J. Frick Chemical Lab.
FRIESEKE UND HOEPFNER G.M.B.H., ERLANGEN-BRUCK (WEST GERMANY).
Construction and equipment of some measurement trucks and mobile laboratories for radiation protection measurements in the countryside, 23:20188 (CONF-680507-, pp 202-6)
Fast time marking discriminator circuit, 23:40989 (EUR-4289, pp 137-9)
Fundacion Jimenez Diaz. Instituto de Investigaciones Medicas, Madrid, Spain.
see Instituto de Investigaciones Medicas, Madrid (Spain).
FURMAN UNIV., GREENVILLE, S.C. DEPT. OF CHEMISTRY.
Design considerations of reactor containment spray systems, 23:43134 (ORNL-TM-2412 (Pt.2))

G

Gaseous Diffusion Plant, Oak Ridge, Tenn.
see Oak Ridge Gaseous Diffusion Plant, Tenn.
GEMEENSCHAPPELIJKE KERNENERGIECENTRALE NEDERLAND N.V., DODEWAARD.
Prog. rpt. on Dodewaard nuclear power plant, annual, 1967, 23:9091 (EUR-4069)
Prog. rpt. on Dodewaard Nuclear Power Plant, annual, 1967, 23:19397 (AEC-tr-7032)
General Atomic, San Diego, Calif. John Jay Hopkins Lab. for Pure and Applied Science.
see General Dynamics Corp., San Diego, Calif. General Atomic Div.
General Atomic Div., General Dynamics Corp., San Diego, Calif.
see General Dynamics Corp., San Diego, Calif. General Atomic Div.
GENERAL DYNAMICS/ASTRONAUTICS, SAN DIEGO, CALIF.
Bibliography on sun, solar phenomena, and their allied effects, 23:27283 (AD-677729)
GENERAL DYNAMICS CORP., SAN DIEGO, CALIF. GENERAL ATOMIC DIV.
see also Gulf General Atomic, Inc., San Diego, Calif.
Availability and present status of activation analysis, 23:11450 (CONF-671111-, pp 533-43)
Coarse mesh variational techniques, 23:47294 (CNM-R-2 (Vol.1), pp 219-37)
Comparison of monte carlo and discrete-ordinate calculations with neutron spectrum measurements in bulk shields, 23:12942 (AERE-R-5773 (Vol.1), pp 241-60)
Head-end reprocessing facility integrity with an HTGR power plant, 23:4711 (GAMD-7294)
Kinetic behavior of TRIGA reactors, 23:47240 (CNM-R-2 (Vol.1), pp 450-87)
Metal oxidation studies in research reactors, 23:46092 (CNM-R-2 (Vol.1), pp 298-309)
Neutron activation analysis of biological materials, 23:45221 (CNM-R-2 (Vol.1), pp 346-56)
Neutron transport calculations in lithium hydride, 23:36756 (AD-822964)
Partial-recycle techniques in HTGR, 23:15641 (GAMD-7284)
Prog. rpt. on advanced BeO concepts, 12/65, 23:6724 (GA-6889)
Prog. rpt. on advanced graphite fuel systems, 11/14/66, 23:18269 (GA-7519)
Prog. rpt. on Public Service Company of Colorado 330-Mw(e) high-temperature gas-cooled reactor, 9/67, 23:4170 (GA-8270)
Shielding studies for the Public Service Company of

Colorado HTGR, 23:13354 (AERE-R-5773 (Vol.4), pp 1205-46)
Uses of research reactors for activation analysis, 23:47250 (CNM-R-2 (Vol.3), pp 1215-29)
GENERAL DYNAMICS/FORT WORTH, TEX.
Comparison of thermoluminescent and film dosimetry in routine radiation dosimetry, 23:7857 (CONF-680920-, pp 814-29)
NERVA irradiation program, Vol. 2, nuclear-radiation-induced conversion of parahydrogen to orthohydrogen, 23:35056 (FZK-351-2)
Spectrographic studies of luminescence in charged-particle-irradiated optical materials, 23:42394 (N-69-22194)
GENERAL ELECTRIC CO., CINCINNATI, OHIO.
Radiation effects to refractory metals and alloys, 23:10234 (CONF-680419-, pp 225-43)
GENERAL ELECTRIC CO., CINCINNATI, OHIO. ATOMIC PRODUCTS DIV.
Basic critical experiment (710), 23:11284 (GEMP-376)
GENERAL ELECTRIC CO., CINCINNATI, OHIO. MISSILE AND SPACE DIV.
Advanced fast breeder reactor fuel element cladding development, 23:24848 (GEMP-1008, pp 115-41)
Advanced long life reactor fuel cladding and structural materials and development (1119), 23:30007 (GEMP-1010, pp 155-60)
Advanced long-life reactor fuel cladding and structural materials development, 23:24850 (GEMP-1008, pp 155-9)
Advanced pressure vessel materials (1521), 23:30009 (GEMP-1010, pp 199-231)
Advanced pressure vessel materials, 23:24959 (GEMP-1008, pp 209-27)
Computer simulation of point defect annealing in metals, 23:6704 (GEMP-644)
Creep failure modes in arc-cast and powder metallurgy tungsten, 23:8157 (GEMP-640)
DSPACE: program to calculate interplanar spacings from lattice parameters, 23:30633 (GEMP-680)
Evaluation of plastic fatigue properties of heat-resistant alloys (1516), 23:30008 (GEMP-1010, pp 161-98)
Evaluation of potential selected alloys for use as fuel cladding material in an LMFB, 23:48320 (GEMP-573 (Rev.))
Evaluations of the plastic fatigue properties of heat-resistant alloys, 23:24851 (GEMP-1008, pp 161-207)
Fast breeder reactor advanced fuel element cladding fabrication (1115), 23:30005 (GEMP-1010, pp 99-147)
Fast breeder reactor control, shield, and reflector materials development, 23:24854 (GEMP-1008, pp 275-85)
Fast breeder reactor control, shield, and reflector materials development (1220), 23:30011 (GEMP-1010, pp 291-313)
Fast breeder reactor thermocouple development (1414), 23:30140 (GEMP-1010, pp 260-90)
Fast breeder reactor thermocouple development, 23:24853 (GEMP-1008, pp 253-73)
Forty-group cross section for Monte Carlo calculations, 23:30909 (GEMP-620)
High temperature specific heat of body-centered-cubic refractory metals, 23:38956 (GEMP-696)
Microstructure of arc-cast tungsten after high-temperature creep deformation, 23:8212 (GEMP-639)
Neutron dosimetry calculations for multiple-cycle irradiations from several dosimeters including ^{58}Ni , 23:35458 (GEMP-699)
NSP kernel-diffusion library, KDLIB: NS0910, 23:42830 (GESP-226)
Observation of damage shells in irradiated metals, 23:16500 (GEMP-668)
Physical and mechanical properties of reactor materials (1503), 23:30004 (GEMP-1010, pp 13-43)
Physical and mechanical properties of reactor materials, 23:24847 (GEMP-1008, pp 13-49)
Physical metallurgy of fast breeder reactor cladding materials and refractory metals, 23:24849 (GEMP-1008, pp 143-54)
Physical metallurgy of fast breeder reactor cladding materials and refractory metals (1177), 23:30006 (GEMP-1010, pp 148-54)
Physico-chemical studies of clad UO_2 under reactor accident conditions (1175), 23:30010 (GEMP-1010, pp 232-59)
Physico-chemical studies of Fe--Cr--Al-clad fuel systems, 23:24845 (GEMP-672)
Physicochemical studies of clad UO_2 under reactor accident conditions, 23:24852 (GEMP-1008, pp 229-51)
Prediction of low-cycle fatigue data, 23:36069 (GEMP-697)
Prog. rpt. on AEC fuels and materials development program, 9/30/68, 23:24846 (GEMP-1008)
Prog. rpt. on fuels and materials development, 12/68, 23:29952 (GEMP-1010)
Prog. rpt. on fuels and materials development, 6/68, 23:8104 (GEMP-1006)
Radiation effects on fast reactor cladding and structural materials, 23:24958 (GEMP-1008, pp 51-113)
Radiation effects on fast reactor cladding and structural materials (1304), 23:30099 (GEMP-1010, pp 45-98)

Simulated radioisotope thrust system and component development, 23:29094 (N-69-10680)
 Stress-rupture parameters for the refractory metals, 23:985 (GEMP-636)
 Thermal conductivity and electrical resistivity of Zircaloy-4, 23:22516 (GEMP-669)
 Thermophysical properties of low C 304 stainless steel to 1350 C, 23:10187 (GEMP-643)
 Voids in irradiated tungsten and molybdenum, 23:34025 (GEMP-692)

General Electric Co., Cincinnati, Ohio. Missile and Space Div. Space Power and Propulsion Section.
 see General Electric Co., Cincinnati, Ohio. Space Power and Propulsion Section.

GENERAL ELECTRIC CO., CINCINNATI, OHIO. NUCLEAR MATERIALS AND PROPULSION OPERATION.

see also General Electric Co., Cincinnati, Ohio. Nuclear Systems Programs.

Advanced fast breeder reactor fuel element cladding development, 23:6650 (GEMP-1004, pp 178-97)
 Advanced pressure vessel materials, 23:6665 (GEMP-1004, pp 275-315)

Critical experiment correlation (710), 23:11283 (GEMP-297)

Evaluations of plastic fatigue properties of heat-resistant alloys, 23:6664 (GEMP-1004, pp 242-74)

Fast breeder reactor fuel element cladding research, 23:6663 (GEMP-1004, pp 216-41)

Fast breeder reactor thermocouple development, 23:6666 (GEMP-1004, pp 351-60)

High-temperature research on carbides for fuel and structural applications, 23:6725 (GEMP-1004, pp 369-78)

Neutron lifetime measurements on critical experiment, 23:11282 (GEMP-281)

Physical and mechanical properties of reactor materials, 23:6662 (GEMP-1004, pp 14-88)

Physical metallurgy of fast breeder reactor cladding materials and refractory metals, 23:6651 (GEMP-1004, pp 198-215)

Physico-chemical studies of clad UO_2 , 23:6652 (GEMP-1004, pp 316-50)

Physico-chemical studies of Fe-Cr-Al-clad fuel systems, 23:6667 (GEMP-1004, pp 361-8)

Prog. rpt. on fuels and materials, annual, CY 1967, 23:6630 (GEMP-1004)

Radiation effects on fast reactor cladding and structural materials, 23:6705 (GEMP-1004, pp 89-177)

Radiation effects on fast reactor cladding and structural materials, 23:22593 (BNWL-790, pp 10.1-10)

Radiation effects on fast reactor cladding and structural materials, 23:24954 (BNWL-870, pp 10.1-12)

Radiation effects on the microstructure of tungsten, 23:3089 (GEMP-581)

GENERAL ELECTRIC CO., CINCINNATI, OHIO. NUCLEAR SYSTEMS PROGRAMS.

Analysis of cavity reactor experiments, 23:45112 (N-69-25399)

Creep-rupture data for the refractory metals to high temperatures, 23:36068 (GEMP-685)

Nature of aging of Fe-Cr-Al-Y alloys at 450°C, 23:51064 (GEMP-708)

Neutron damage in molybdenum irradiated at high temperatures, 23:51076 (GEMP-706)

Prog. rpt. on advanced refractory alloy corrosion loop program, 1/15--4/15/69, 23:48323 (N-69-32032)

Program LCDUCT: two-bend rectangular duct radiation leakage analysis, 23:48954 (GEMP-295)

Stress-strain behavior of several stainless steels to elevated temperatures, 23:41603 (GEMP-686)

GENERAL ELECTRIC CO., CINCINNATI, OHIO. SPACE POWER AND PROPULSION SECTION.

Development of electrical switchgear for space nuclear electrical systems, 23:603 (N-68-29460)

GENERAL ELECTRIC CO., IDAHO FALLS, IDAHO.

Cavity reactor critical experiment. II, 23:2084 (N-68-28612)

GENERAL ELECTRIC CO., IDAHO FALLS, IDAHO. MISSILE AND SPACE DIV.

Nuclear test gauge safety analysis, 23:21515 (GEMP-663)

Safety analysis report on NASA cavity reactor critical experiment, 23:21514 (GEMP-402(Add.2))

GENERAL ELECTRIC CO., IDAHO FALLS, IDAHO. NUCLEAR MATERIALS AND PROPULSION OPERATION.

see also General Electric Co., Idaho Falls, Idaho. Nuclear Systems Programs.

GENERAL ELECTRIC CO., IDAHO FALLS, IDAHO. NUCLEAR SYSTEMS PROGRAMS.

Cavity reactor critical experiment. III, 23:43171 (N-69-18586)

LOFT program: effect of various leakage rates on warmup and cool-down of primary coolant system, 23:52405 (GEMP-621)

General Electric Co., King of Prussia, Pa. Space Sciences Lab.

see General Electric Co., Philadelphia, Pa. Missile and Space Div.

GENERAL ELECTRIC CO., PHILADELPHIA, PA. MISSILE AND SPACE DIV.

Electric arcs in turbulent flows. III, 23:18599 (AD-

674614)

Magnetic evaluation testing of Model No. 10 SNAP-27 integrated power unit, 23:17702 (TID-24946)

Magnetic field measurement and analysis, II: SNAP-27 program, 23:17703 (TID-24948)

Optical energy transfer processes, 23:18503 (AD-673937)

Precipitation in nonequilibrium plasmas, 23:44441 (AD-686104)

Prog. rpt. on avalanche type semiconductor radiation detectors, semiannual, 7--12/68, 23:19935 (NYO-3246-TA-4)

Prog. rpt. on avalanche type semiconductor radiation detectors, semiannual, 1--6/69, 23:45512 (NYO-3246-TA-5)

GENERAL ELECTRIC CO., PLEASANTON, CALIF. NUCLEAR TECHNOLOGY DEPT.

Carbon impurities in sodium system cold traps, 23:46120 (ANL-7520(Pt.1), pp 448-54)

General Electric Co., Pleasanton, Calif. Nuclear Technology Dept. Nucleonics Lab.

see General Electric Co., Pleasanton, Calif. Nucleonics Lab.

General Electric Co., Pleasanton, Calif. Nuclear Technology Dept. Vallecitos Nuclear Center.

see General Electric Co., Pleasanton, Calif. Vallecitos Nuclear Center.

GENERAL ELECTRIC CO., PLEASANTON, CALIF. NUCLEAR THERMIONIC POWER OPERATION.

Thermionic conversion of heat to electricity. I, 23:51411 (AD-674882)

Thermionic conversion of heat to electricity. II, 23:22958 (AD-674883)

GENERAL ELECTRIC CO., PLEASANTON, CALIF. NUCLEONICS LAB.

Failure behavior in ASTM A106B pipes containing axial through-wall flaws, 23:27049 (GEAP-5620)

Failure diagram for axially flawed pipes, 23:27050 (GEAP-5622)

Prog. rpt. on thermodynamic data on plutonia and uranium at high temperatures, 10/68, 23:12411 (GEAP-5672)

Prog. rpt. on thermodynamic data program involving plutonia and uranium at high temperatures, 12/68, 23:22652 (GEAP-5720)

Prog. rpt. on thermodynamic data program involving plutonia and uranium at high temperatures, 4/69, 23:36219 (GEAP-5777)

Summary of fission product yields for ^{235}U , ^{238}U , ^{239}Pu , and ^{241}Pu at thermal fission spectrum and 14 MeV neutron energies, 23:34784 (APED-5398-A(Rev.))

GENERAL ELECTRIC CO., PLEASANTON, CALIF. VALLECITOS ATOMIC LAB.

Transfer function in a mixed spectrum critical assembly, 23:47260 (CNM-R-2(Vol.3), pp 1560-88)

GENERAL ELECTRIC CO., PLEASANTON, CALIF. VALLECITOS NUCLEAR CENTER.

Thermal conductivity of coated particle uranium dioxide-tungsten cermets, 23:27165 (N-68-32983)

Validity of the point kinetics equations, 23:47300 (CNM-R-2(Vol.2), pp 943-59)

GENERAL ELECTRIC CO., RICHLAND, WASH. HANFORD ATOMIC PRODUCTS OPERATION.

Control and inspection systems for plutonium production, 23:6270 (HW-62119)

Effects of Cr(VI) and Fe(III) on Purex plant corrosion, 23:14296 (HW-72076)

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Future Purex (1WW) waste characteristics, 23:13822 (HW-71789)

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Physical and chemical properties of materials and streams encountered in chemical processing department, 23:15831 (HW-57386)

Process pump failures at Redox facility, 23:13905 (HW-81386)

Prog. rpt. on end closure of NPR fuel tubes, 11/18/61, 23:38936 (HW-71380)

Purex concentrator corrosion levels, 23:13823 (HW-75732)

Purex IBX: IBS column studies, 1964, 23:15926 (HW-84473)

Purex neptunium recovery and purification information manual, 23:15925 (HW-77678)

Purex two-cycle waste studies, 23:13820 (HW-63453)

Radionuclide generation calculations, 23:13307 (HW-SA-3769)

GENERAL ELECTRIC CO., ST. PETERSBURG, FLA. NEUTRON DEVICES DEPT.

Calibration of standard leaks using an analytical gas mass spectrometer, 23:26500 (GEPP-61)

Computerized approach to basic work sampling applications, 23:26133 (GEPP-56)

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 GENERAL ELECTRIC CO., SAN JOSE, CALIF.
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 GENERAL ELECTRIC CO., SAN JOSE, CALIF. ADVANCED PRODUCTS OPERATION.
 SEFOR fuel rod sodium thermal shock tests, 23:26083 (GEAP-5467)
 GENERAL ELECTRIC CO., SAN JOSE, CALIF. ATOMIC POWER EQUIPMENT DEPT.
 Analysis methods of hypothetical super-prompt critical reactivity transients in large power reactors, 23:47219 (APED-5448)
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 General Electric Co. Nuclear Materials and Propulsion Operation, Advanced Technology Services, Cincinnati.
 see General Electric Co., Cincinnati, Ohio. Nuclear Materials and Propulsion Operation.
 General Electric Co. Space Sciences Lab., Missile and Space Div., Philadelphia.
 see General Electric Co., Philadelphia, Pa. Missile and Space Div.

General Electric Co. Space Sciences Lab., Missile and Space Div., Valley Forge, Pa.
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German Electronic Synchrotron, Hamburg. see Deutsches Elektronen-Synchrotron, Hamburg (West Germany).

Germany. Bundesministerium fuer Wissenschaftliche Forschung, Bad Godesberg. see Bundesministerium fuer Wissenschaftliche Forschung, Bad Godesberg (West Germany).

Germany. Physikalisch-Technische Bundesanstalt, Brunswick. see Physikalisch-Technische Bundesanstalt, Brunswick (West Germany).

Germany. Staatliche Zentrale fuer Strahlenschutz, Berlin. see Staatliche Zentrale fuer Strahlenschutz, Berlin (East Germany).

Germany. Zentralinstitut fuer Kernforschung, Rossendorf bei Dresden. see Zentralinstitut fuer Kernforschung, Rossendorf bei Dresden (East Germany).

Germany. Zentralinstitut fuer Kernphysik, Dresden. see Zentralinstitut fuer Kernphysik, Rossendorf bei Dresden (East Germany).

GESELLSCHAFT FUER KERNENERGIEVERWERTUNG IN SCHIFFBAU UND SCHIFFFAHRT m.b.H., GEESTHACHT (WEST GERMANY). INSTITUT FUER REAKTORPHYSIK.
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GESELLSCHAFT FUER KERNENERGIEVERWERTUNG IN SCHIFFBAU UND SCHIFFFAHRT m.b.H., HAMBURG (WEST GERMANY).
Prog. rpt. on nuclear research ship Otto Hahn, annual, 1967, 23:21542 (EUR-4226)
Prog. rpt. on shielding experiments at Geesthacht research reactor, annual, 1967, 23:49586 (EUR-4230)

GESELLSCHAFT FUER KERNFORSCHUNG m.b.H., KARLSRUHE (WEST GERMANY).
Fast reactor fuels at Karlsruhe facility in Germany, 11/68, 23:9200 (TID-24855)

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- of high-speed rotating machinery, 23:7657 (BMWF-FBK-68-28)
- GESELLSCHAFT FUER STRAHLENFORSCHUNG M.B.H., CLAUSTHAL-ZELLERFELD (WEST GERMANY). INSTITUT FUER TIERFLAGERUNG. Rock-mechanical investigations of salt rocks from the Asse II mine near Wolfenbuettel, 23:17724 (BMWF-FBK-68-41)
- GESELLSCHAFT FUER STRAHLENFORSCHUNG m.b.H., FREIBURG (WEST GERMANY). INSTITUT FUER HAEMATOLOGIE. Prog. rpt. on physiology, pathophysiology, and radiopathology of haematopoietic systems, annual, 1965-66, 1, 23:6566 (EUR-3938)
- GESELLSCHAFT FUER STRAHLENFORSCHUNG M.B.H., NEUHERBERG BEI MUNICH (WEST GERMANY). INSTITUT FUER BIOLOGIE. Prog. rpt. on pathogenesis of genetic and somatic radiation damage, annual, 1966, 23:31905 (EUR-4097)
- GESELLSCHAFT FUER STRAHLENFORSCHUNG M. B. H., NEUHERBERG BEI MUNICH (WEST GERMANY). INSTITUT FUER STRAHLENSCHUTZ. Button dosimeter: a possibility for simultaneous measurement of surface doses in different body positions in radiation incidents, 23:20007 (CONF-680507-, pp 244-8)
- Gamma and neutron induced radiophotoluminescence spectra of phosphate glass dosimeters, 23:7838 (CONF-680920-, pp 518-24)
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- GHEENT RIJKSUNIVERSITEIT (BELGIUM). Prog. rpt. on materials testing, 9/30/68, 23:17714 (EURAE-2071)
- Prog. rpt. on stainless steel cladding, 10-12/67, 23:41562 (EURAE-2047)
- Stainless plating of heavy-gauge steels, 23:36028 (EURAE-2093)
- GHEENT RIJKSUNIVERSITEIT (BELGIUM). INSTITUT VOOR KERNWETENSCHAPPEN. Germanium detectors in chemical analysis, 23:17744 (BLG-425, Paper 3)
- GIESSEN UNIV. (WEST GERMANY). PHYSIKALISCHES INSTITUT (I). Isotopic generator using photoelectric conversion, 23:45478 (BMWF-FBK-69-23)
- GILBERT ASSOCIATES, INC., WASHINGTON, D. C. Three Mile Island Nuclear Station, Unit 1: summary of aircraft impact design, 23:52249 (DOCKET-50289-17)
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- Gmelin-Institut fuer Anorganische Chemie und Grenzgebiete, Frankfurt am Main. Zentralstelle fuer Atomkernenergie-Dokumentation. see Zentralstelle fuer Atomkernenergie-Dokumentation, Frankfurt am Main (West Germany).
- Goddard Inst. for Space Studies, National Aeronautics and Space Administration, New York. see National Aeronautics and Space Administration, New York. Goddard Inst. for Space Studies.
- Goddard Space Flight Center, National Aeronautics and Space Administration. see National Aeronautics and Space Administration, Greenbelt, Md. Goddard Space Flight Center.
- GOETTINGEN UNIV. (WEST GERMANY). INSTITUT FUER MEDIZINISCHE PHYSIK UND BIOPHYSIK. Preferential recombination in gases at high pressure, 23:41948 (BMWF-FBK-69-18)
- GOODRICH-HIGH VOLTAGE ASTRONAUTICS, INC., BURLINGTON, MASS. see also Ion Physics Corp., Burlington, Mass.
- GOODYEAR ATOMIC CORP., PKETON, OHIO. Administration of an in-vivo counting program, 23:29499 (GAT-R-444)
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- Health and safety activities report for 1968, 23:45772 (GAT-R-517)
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see Admiralty Research Lab., Teddington (England).
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see Agricultural Research Council, Wantage (England).
Radiobiological Lab.
Gt. Brit. Central Electricity Board, London.
see Central Electricity Generating Board, London (England).
Gt. Brit. Central Electricity Generating Board. Berkeley Nuclear Labs., Berkeley, England.
see Central Electricity Generating Board, Berkeley (England). Berkeley Nuclear Labs.
Gt. Brit. Dept. of Scientific and Industrial Research. National Engineering Lab., East Kilbride, Glasgow.
see National Engineering Lab., Glasgow (Scotland).
Gt. Brit. Medical Research Council. Radiobiological Research Unit, Harwell, Berks, England.
see Medical Research Council, Harwell (England).
Radiobiological Research Unit.
Gt. Brit. Ministry of Transport, London.
see Ministry of Transport, London (England).
Gt. Brit. National Engineering Lab., East Kilbride, Glasgow.
see National Engineering Lab., Glasgow (Scotland).
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Western Regional Hospital Board.
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see Royal Aircraft Establishment, Farnborough (England).
Gt. Brit. Science Research Council. Rutherford High Energy Lab., Chilton, Didcot, Berks, England.
see Rutherford High Energy Lab., Chilton (England).
Gt. Brit. Services Electronics Research Lab., Baldock, Herts, England.
see Services Electronics Research Lab., Baldock (England).
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 see Hahn-Meitner-Institut fuer Kernforschung Berlin (West Germany).
 HAHN-MEITNER-INSTITUT FUER KERNFORSCHUNG, BERLIN (WEST GERMANY).
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Harvard Air Cleaning Lab., Boston, Mass.
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Study of reaction $\pi^+p \rightarrow \pi^-\pi^+p$ at 3.9 GeV/c, 23:36836 (UH-511-48-69)

HAWAII UNIV., HONOLULU. COLL. OF TROPICAL AGRICULTURE.

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Prog. rpt. on disinfestation of fruits and vegetables by gamma irradiation, annual, 6/66--5/67, 23:10131 (UH-235-P-5-3)

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- HAWAII UNIV., HONOLULU. DEPT. OF PHYSICS AND ASTRONOMY.
Prog. rpt., annual, 1968, 23:3629 (UH-511-35)
HAWAII UNIV., HONOLULU. SCHOOL OF MEDICINE.
Prog. rpt. on biomedical research, annual, 9/68--8/69, 23:43662 (UH-235-P-8-11)
Prog. rpt., 9/68--8/69, 23:47924 (UH-235-P-8-X-2)
HAYES INTERNATIONAL CORP., HUNTSVILLE, ALA. MISSILE AND SPACE SUPPORT DIV.
Electrical control package for Brayton power conversion system, 23:38179 (N-69-23368)
HAZLETON LABS., FALLS CHURCH, VA.
see also Hazleton Labs., Inc., Falls Church, Va.
Prog. rpt. on radioisotopic biochemical probe for extraterrestrial life, annual, 10/66, 23:9790 (N-66-39688)
HAZLETON LABS., INC., FALLS CHURCH, VA.
Microbiological aspects of radiopasteurized chicken, 23:18170 (CONF-681006-, pp 189-92)
Packaging materials used with irradiated foods and preparation of petitions on irradiated foods, 23:18177 (CONF-681006-, pp 247-9)
Health and Safety Lab., New York Operations Office (AEC), N. Y.
see New York Operations Office (AEC), N. Y. Health and Safety Lab.
HEBREW UNIV., JERUSALEM (ISRAEL). DEPT. OF PHYSICAL CHEMISTRY.
Fluorescence excitation and quenching in aqueous solutions of salicylate under ultraviolet and ionizing radiation, 23:24221 (NYO-3242-30)
HEIDELBERG UNIV. (WEST GERMANY).
Interference between $\pi^+\pi^-$ decays of $K/\text{sub } S/$ and $K/\text{sub } L/$ mesons and the $K/\text{sub } S/$ -- $K/\text{sub } L/$ mass difference, 23:21044 (NP-17758)
HEIDELBERG UNIV. (WEST GERMANY). INSTITUT FUER ANGEWANDTE PHYSIK.
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HEIDELBERG UNIV. (WEST GERMANY). INSTITUT FUER HOCHENERGIEPHYSIK.
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HEIDELBERG UNIV. (WEST GERMANY). INSTITUT FUER THEORETISCHE PHYSIK.
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HEIDELBERG UNIV. (WEST GERMANY). STRAHLENKLINIK.
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HELIOTEK, SYLMAR, CALIF.
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HELSINKI UNIV. (FINLAND). DEPT. OF RADIOCHEMISTRY.
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Analysis of ^{59}Fe produced by nuclear tests and its enrichment in Finnish Lapps, 23:41301 (NYO-3446-13, Paper 20)
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Prog. rpt. on radioactive foodchains in subarctic environment, 8/15/68--8/14/69, 23:41300 (NYO-3446-13)
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HIGH ALTITUDE OBSERVATORY, BOULDER, COLO.
Conference on Conjugate point symposium, Boulder, Colo., 6/67, 23:3331 (CONF-670631-(Vol.1))
Conference on Conjugate point symposium, Boulder, Colo., 6/67, 23:3332 (CONF-670631-(Vol.2))
Conference on Conjugate point symposium, Boulder, Colo., 6/67, 23:3333 (CONF-670631-(Vol.3))
Hydromagnetic coupling of acoustic-gravity waves with the ionized atmosphere, 23:51458 (CONF-680722-, pp 397-401)
HIRAM COLL., OHIO. X-RAY PHYSICS LAB.
Prog. rpt. on defect production in single crystal resulting from ion bombardment, semiannual, 7--12/67, 23:30615 (N-68-19955)
Prog. rpt. on defect production in single crystals resulting from ion bombardment, 23:30616 (N-68-35787)
Hiroshima. Atomic Bomb Casualty Commission.
see Atomic Bomb Casualty Commission, Hiroshima (Japan).
HITACHI, LTD., TOKYO (JAPAN).
Neutron and gamma ray streaming through offset cylindrical air ducts in water, 23:13467 (AERE-R-5773(Vol.3), pp 738-54)
Transient response of heat transfer and thermal stresses in thick walls of sodium components, 23:45458 (ANL-7520(Pt.2), pp 331-42)
HITMAN ASSOCIATES, INC., COLUMBIA, MD.
PM plant interface study, 23:40419 (HIT-329-R(Vol.1))
PM plant interface study. II, 23:40420 (HIT-329-R(Vol.2))
HOKKAIDO UNIV., MURORAN (JAPAN). INST. OF ALGOLOGICAL RESEARCH.
Role of marine plants on radiation protection, 23:50611 (PHS-999-RH-33, pp 112-15)
HOLMES AND NARVER, INC., LAS VEGAS, NEV. ON-CONTINENT TEST DIV.
Salt cavity engineering at Tatum, 23:17635 (HN-20-1020)
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Classification and processing of reliability data from nuclear power plants, 23:15555 (HN-193)
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Earthquake resistant design of nuclear power plants, 23:11116 (HN-189(Rev.))
Effect of human error and static component failure on engineered safety system reliability, 23:15656 (HN-194)
HONEYWELL, INC., ST. PAUL, MINN. RESEARCH DEPT.
Prog. rpt. on laser radiation effects on morphology and function of ocular tissue, annual, 8/67, 23:2916 (AD-661094)
HOOKER CHEMICAL CORP., NIAGARA FALLS, N. Y.
Effect of low-cost nuclear energy on the chlorine--caustic industry, 23:28775 (CONF-680810-, pp 67-81)
HOSPITAL REGIONAL DEL AIRE, MADRID (SPAIN).
Clinical evaluation of the isotopic radiocardiograph, 23:33752 (CONF-670649-26)
HOSPITAL SAN JOSE, MONTERREY (MEXICO).
Energy response of LiF , CaF_2 , and $\text{Li}_2\text{B}_4\text{O}_7\text{:Mn}$ from 26 keV to 22 MeV, 23:7832 (CONF-680920-, pp 410-23)
HOUSTON UNIV., TEX.
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Ion heating by inhomogeneous time varying electric fields, 23:10603 (ORO-3777-2)
HOUSTON UNIV., TEX. DEPT. OF CHEMISTRY.
Prog. rpt. on reactions between electrons and biological substances, final, 6/69, 23:41231 (TID-25162)
HOUSTON UNIV., TEX. DEPT. OF PHYSICS.
Program to determine fundamental nuclear data from muon intensity measurements, 23:27387 (AD-678640)
HOWARD UNIV., WASHINGTON, D. C. DEPT. OF BIOCHEMISTRY.
Prog. rpt. on chemical effects of ionizing radiations on the individual amino acids, annual, 1968--69, 23:215 (NYO-2735-9)
Howard Univ., Washington, D. C. Medical School. Dept. of Biochemistry.
see Howard Univ., Washington, D. C. Dept. of Biochemistry.
Hudson Labs., Columbia Univ., Dobbs Ferry, N. Y.
see Columbia Univ., Dobbs Ferry, N. Y. Hudson Labs.
HUGHES AIRCRAFT CO., FULLERTON, CALIF.
Transistor design effects on radiation resistance, 23:16178 (N-68-33767)
HUGHES AIRCRAFT CO., NEWPORT BEACH, CALIF.
Flip chip techniques for constructing monolithic multi-chip arrays, 23:11901 (SC-CR-68-3598)
Hughes Aircraft Co. Hughes Research Labs. Div., Malibu,

see Hughes Research Labs., Malibu, Calif.

HUGHES RESEARCH LABS., MALIBU, CALIF.

Discharge chamber studies for Hg bombardment ion thrusters, 23:27618 (N-69-12544)

HUMAN SCIENCES RESEARCH, INC., McLEAN, VA.

Social effects and social inventory after attack, 23:50599 (CONF-671135-, pp 327-63)

IUMPHREYS CORP., CONCORD, N. H.

Induction plasma heating: system performance, hydrogen operation, and gas core reactor simulator development, 23:1362 (N-68-29888)

Jungary. Academy of Sciences. Central Inst. of Physical Research.

see Magyar Tudományos Akademia Kosponti Fizikai Kutató Intezete, Budapest.

MYOGO UNIV. OF AGRICULTURE, SASAYAMA (JAPAN). DEPT. OF PHYSICS.

Measurements of γ rays from external conversion,

23:37288 (KURRI-TR-10, pp 138-49)

K. O., Amsterdam.

see Stichting Instituut voor Kernfysisch Onderzoek, Amsterdam (Netherlands).

IBM SCIENTIFIC CENTER, PALO ALTO, CALIF.

Monte Carlo program for three dimensional nuclear systems, 23:40443 (CONF-690401-, pp 659-75)

Photoproduction of rho mesons at 9 GeV, 23:16922 (SLAC-PUB-532(Exp.))

IBM WATSON RESEARCH CENTER, YORKTOWN HEIGHTS, N.Y.

Magnetic field dependence of Eu nuclear resonance in ferromagnetic EuS, 23:8659 (CONF-681020-(Vol.1), pp 347-58)

IDAHO NUCLEAR CORP., IDAHO FALLS.

Analysis of irradiated zirconium clad thorium tubes, 23:28677 (IN-1275)

Analytical development, 23:4 (IN-1203, pp 8-29)

Bibliography of laser publications of interest to emission spectroscopists, 23:4495 (IN-1219)

Bibliography of Laser publications of interest to emission spectroscopists. II, 23:13600 (IN-1262)

Bibliography of laser publications of interest to emission spectroscopists. III, 23:40510 (IN-1305)

Burnup determination of nuclear fuels, 23:9 (IN-1203, pp 67-8)

Calculated normal frequencies and neutron scattering law for benzene, 23:25759 (IN-1269)

Calculations of pressure-induced and thermal stresses for advanced test reactor fuel elements, 23:52407 (IN-1303)

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Highly efficient inorganic adsorbent for airborne I species, 23:2372 (IN-1224)

Highly efficient inorganic adsorbent for airborne iodine species, 23:24025 (CONF-680821-, pp 185-203)

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LIBMOD: FORTRAN-IV program for modification or creation of incite cross section libraries, 23:25758 (IN-1123)

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Polarographic kinetic currents for first-order, one-half regeneration mechanism at spherical electrodes, 23:52505 (IN-1274)

Primary capture γ -ray energies using a bootstrap method, 23:34719 (ANL-7282, pp 303-11)

Prog. rpt. on analytical chemistry, annual, 6/68, 23:3 (IN-1203)

Prog. rpt. on burnup determination of nuclear fuels, final, 4/1--6/30/68, 23:23910 (IN-1277)

Prog. rpt. on chemical technology, annual, 1968, 23:13824 (IN-1201)

Prog. rpt. on γ -ray spectrometry of neutron-deficient isotopes, annual, 5/69, 23:44849 (IN-1130)

Prog. rpt. on nuclear technology, 6/68, 23:26134 (IN-1218)

Prog. rpt. on quality control program for counting instruments, 1/1--3/31/68, 23:7735 (IN-1255)

Prog. rpt. on reactor engineering branch, annual, 1968, 23:33083 (IN-1228)

Pulsed reactor applications to neutron inelastic scattering experiments, 23:11273 (BNL-13076)

Rare gas recovery facility at Idaho chemical processing plant, 23:24343 (IN-1221)

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Studies of unresolved resonances with a 2 keV beam, 23:15672 (ANS-RPD-1, Paper 5)

Subassembly Test Program outline for FY 1969 and 1970, 23:47268 (IN-1313)

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Uranium recovery from aluminum alloyed fuel at ICPP during fiscal year 1966, 23:35257 (IN-1153)

IDAHO OPERATIONS OFFICE (AEC), IDAHO FALLS.

Prog. rpt. on controlled environmental radioiodine tests at NRTS, 1967, 23:26767 (IDO-12065)

Special applications of thermoluminescence dosimetry, 23:7871 (IDO-12068)

IDAHO OPERATIONS OFFICE (AEC), IDAHO FALLS. HEALTH SERVICES LAB.

Air Resources Lab. Field Research Office, Environmental Science Services Administration, 23:40876 (IDO-12071, pp 35-8)

Analytical chemistry branch, 23:40532 (IDO-12071, pp 18-24)

Applied thermoluminescence dosimetry program at the NRTS, 23:7852 (CONF-680920-, pp 722-36)

Dosimetry branch, 23:41315 (IDO-12071, pp 8-13)

Environmental branch, 23:41316 (IDO-12071, pp 25-31)

Field experience with thermoluminescent dosimeters, 23:9752 (IDO-12064)

Injection of gas into lithosphere at NRTS, 23:43503 (IDO-12069)

Instrumentation branch, 23:41130 (IDO-12071, pp 14-17)

- Prog. rpt., annual, 1968, 23:41314 (IDO-12071)
Radioactive waste disposal data for NRTS, 23:591 (IDO-12040(Suppl.3))
US geological survey, 23:40856 (IDO-12071, pp 32-4)
IIT RESEARCH INST., CHICAGO, ILL.
Evaluations of electrodynamic power generation, 23:5266 (NP-17676)
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Fast neutron spectrometer of advanced design, 23:26560 (N-69-15750)
Metal carbide-graphite composites, 23:3143 (N-68-27531)
Prog. rpt. on analysis of ionospheric data, semiannual, 10/67--3/68, 23:51445 (AD-687535)
Prog. rpt. on development of neutron spectrometry for critical facilities, 10--12/68, 23:16134 (IITRI-578-P-33-3)
Prog. rpt. on development of neutron spectrometry for critical facilities, 1--3/69, 23:26558 (IITRI-578-P-33-6)
Prog. rpt. on effect of whole-body ionizing irradiation on activity levels of blood serum enzymes, final, 3/23/65--5/15/67, 23:16220 (AD-664176)
Prog. rpt. on Zircaloy braze alloy development, 10--12/68, 23:22465 (IITRI-578-P-29-32)
Prog. rpt. on Zircaloy braze alloy development, final, 6/30/69, 23:35990 (IITRI-578-P-29-37)
Properties of tantalum carbide-graphite and niobium carbide-graphite composites, 23:3142 (N-68-27399)
Research on zircaloy braze alloy development, 23:26991 (IITRI-578-P-29-35)
Scavenging study of snow and ice crystals, final, 4/67--7/68, 23:458 (IITRI-578-P-32-5)
SWMM code: stress wave propagation in elastic-plastic-compatible media, 23:7659 (IITRI-578-P-21-10)
Water depressurisation studies, 23:28508 (EUR-4101, pp 89-123)
ILLINOIS DEPT. OF BUSINESS AND ECONOMIC DEVELOPMENT, SPRINGFIELD.
Characteristics of accelerator which are most relevant to development impact, 23:21603 (NP-17798)
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Projections of population and economy with and without accelerator, 23:21601 (NP-17797(Vol.1))
ILLINOIS INST. OF TECH., CHICAGO.
Cryogenic thermometry: methods and instrumentation, 23:1292 (COO-1629-10)
Force-reflecting servomechanisms with signal-transmission time delay, 23:13903 (ANL-7488)
Optimal digital computer control of nuclear reactors, 23:23878 (ANL-7530)
Thermal conductivity of γ -irradiated KCl crystals between 0.4 and 40K, 23:18719 (COO-1629-11)
ILLINOIS INST. OF TECH., CHICAGO. DEPT. OF PHYSICS.
Prog. rpt. on thermal measurements on solids below 10K, 2/69, 23:23240 (COO-1629-13)
Illinois Inst. of Tech., Chicago. IIT Research Inst. see IIT Research Inst., Chicago, Ill.
ILLINOIS STATE WATER SURVEY, URBANA.
Prog. rpt. on rainout of radioactivity in Illinois, 11/68, 23:7637 (COO-1199-17)
ILLINOIS UNIV., CHICAGO.
Near-surface electron temperature of weakly ionized plasma according to kinetic theory, 23:27611 (N-69-15764)
Prog. rpt. on microradiography of thin bone sections, 12/15/68, 23:12144 (COO-1601-15)
Prog. rpt. on mobilization of radioactive emitters from bone, comprehensive, 1966--68, 23:11985 (COO-1601-13)
ILLINOIS UNIV., URBANA.
Atomic mechanisms during the annealing of irradiated metals, 23:10235 (COO-1198-585)
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X-ray mass absorption coefficients and quantitative microanalysis of metallurgical systems, 23:24099 (COO-1198-621)
ILLINOIS UNIV., URBANA. AERONOMY LAB.
Electron densities in lower ionosphere deduced from partial reflection measurements, 23:36584 (N-69-24173)
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Effect of a boundary on the beam plasma instability, 23:48899 (AD-690128)
Radiation effects in semiconductors, 23:26640 (N-69-19059)
Surface modes excited by electron beam in plasma, 23:44406 (AD-686374)
ILLINOIS UNIV., URBANA. DEPT. OF CIVIL ENGINEERING.
Prog. rpt. on fate of zinc in natural surface waters, final, 10/68, 23:11646 (COO-1264-5)
ILLINOIS UNIV., URBANA. DEPT. OF COMPUTER SCIENCE.
Dynamic focusing and pincushion correction circuit for the illiac iii display system, 23:52503 (COO-1018-1188)
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Prog. rpt. on computer research, 7--9/68, 23:28653 (COO-1469-111)
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Prog. rpt., 10--12/68, 23:34954 (COO-1018-1170)
Prog. rpt., 7--9/67, 23:2154 (COO-1018-1132)
Prog. rpt., annual, 10/68--9/69. I, 23:45158 (COO-1018-1187)
ILLINOIS UNIV., URBANA. DEPT. OF ELECTRICAL ENGINEERING.
Latitude dependences of radio star scintillation, 23:44073 (PB-184050)
ILLINOIS UNIV., URBANA. DEPT. OF PHYSICS.
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Prog. rpt. on animal metabolic studies of strontium and calcium, annual, 8/16/68--6/15/69, 23:50270 (COO-1339-23)

Prog. rpt. on animal metabolic studies of strontium and calcium, 8/16/66--8/15/69, 23:50271 (COO-1339-24)

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ILLINOIS UNIV., URBANA. ELECTRICAL ENGINEERING RESEARCH LAB.

Ionospheric behavior of F2 region, 23:27423 (AD-676993)

Illinois Univ., Urbana. Engineering Experiment Station. Dept. of Electrical Engineering.

see Illinois Univ., Urbana. Dept. of Electrical Engineering.

Illinois Univ., Urbana. Engineering Experiment Station. Electrical Engineering Research Lab.

see Illinois Univ., Urbana. Electrical Engineering Research Lab.

ILLINOIS UNIV., URBANA. MATERIALS RESEARCH LAB.

Stage III annealing of electron irradiated silver, 23:32558 (COO-1198-626)

ILLINOIS UNIV., URBANA. RADIOISOTOPE LAB.

Prog. rpt. on preparation of ^{14}C and tritium labeled compounds, annual, 5/1/68--6/30/69, 23:13799 (COO-890-10)

IMPERIAL COLL. OF SCIENCE AND TECH., LONDON (ENGLAND).

Production of pions, 23:9037 (TID-24667, pp 497-502)

India. Dept. of Atomic Energy, Bombay.

see Department of Atomic Energy, Bombay (India).

INDIANA AND MICHIGAN ELECTRIC CO., FORT WAYNE, IND.

Donald C. Cook Nuclear Plant preliminary safety analysis report, Amend. 7, 23:4129 (DOCKET-50315-11)

Donald C. Cook Nuclear Plant preliminary safety analysis report, Amend. 8, 23:4130 (DOCKET-50315-12)

Donald C. Cook Nuclear Plant preliminary safety analysis report, Amend. 9, 23:17159 (DOCKET-50315-13)

Donald C. Cook Nuclear Plant preliminary safety analysis report, Amend. 11, 23:17161 (DOCKET-50315-15)

Donald C. Cook Nuclear Plant preliminary safety analysis report, Amend. 10, 23:17160 (DOCKET-50315-14)

Donald C. Cook Nuclear Plant, Units 1 and 2: design changes, 23:43043 (DOCKET-50315-16)

INDIANA STATE UNIV., TERRE HAUTE. RADIATION LAB.

Design and construction of a radiation laboratory, 23:6240 (CONF-670401-16)

INDIANA UNIV., BLOOMINGTON.

Effect of ionizing radiation on recurrent inhibition of the spinal cord, 23:50830 (COO-1475-5)

Environmental effects on internal conversion rates, 23:49458 (BNL-13921)

Gamma rays from $^{189}\text{Os}(n,\gamma)^{190}\text{Os}$ reaction, 23:34769 (ANL-7282, pp 19-27)

Gamma rays from the $^{53}\text{Cr}(n,\gamma)^{54}\text{Cr}$ reaction, 23:34739 (ANL-7282, pp 312-18)

Prog. rpt. on spark chamber, annual, 12/68--11/69, 23:51848 (COO-2009-4)

INDIANA UNIV., BLOOMINGTON. DEPT. OF CHEMISTRY.

Prog. rpt. on chemical equilibria at high temperature and mechanism of compounds, final, 7/7/69, 23:37848 (COO-505-15)

INDIANA UNIV., INDIANAPOLIS. DEPT. OF BIOCHEMISTRY.

Prog. rpt. on hypoxia and para-aminopropiophenone as radioprotective agents, 23:29569 (COO-1223-14)

INDIANA UNIV., INDIANAPOLIS. DEPT. OF MICROBIOLOGY.

Prog. rpt. on microbiology of thermally polluted environments, annual, 5/1/68--4/30/69, 23:12042 (COO-1804-1)

INDIANA UNIV., INDIANAPOLIS. DIV. OF NEUROPATHOLOGY.

Head irradiation and aging, 23:12192 (BNL-13065)

INDIANA UNIV., INDIANAPOLIS. MEDICAL CENTER.

Prog. rpt. on isolation of factor preventing x-ray induced leukemia, annual, 1/68--1/69, 23:29570 (COO-1391-17)

Indiana Univ., Indianapolis. Medical Center. Dept. of Microbiology.

see Indiana Univ., Indianapolis. Dept. of Microbiology.

INDUSTRIAL NUCLEONICS CORP., COLUMBUS, OHIO.

Measurement of sulfur dioxide in stack gases, 23:47714 (TID-25137)

INDUSTRIEDEPARTEMENTET, STOCKHOLM (SWEDEN).

Swedish uranium policy, 23:24323 (NP-17852)

INP.N.

see Istituto Nazionale di Fisica Nucleare, Milan (Italy).

Information Center for Experimental Studies, Milan.

see Centro Informazioni Studi Esperienze, Milan (Italy).

INNSBRUCK UNIV. (AUSTRIA). INSTITUT FUER THEORETISCHE PHYSIK.

General algorithm for the investigation of plasma instabilities, 23:34445 (AD-684545)

Growth rate of instabilities in stratified plasmas, 23:34443 (AD-683352)

Ball effect, ion slip, and end effects in Faraday generators, 23:18471 (AD-672995)

Mathematical formalism for plasma equilibria in arbitrary geometries, 23:34444 (AD-684544)

Overstable modes due to resistivity gradient, 23:44445 (AD-688887)

Plasma instabilities and MHD applications, 23:34446 (AD-684563)

Resistive instabilities of a viscous magnetofluid, 23:30389 (AD-681513)

Similarity solutions for two-dimensional steady viscous MGD boundary layers, 23:18483 (AD-672996)

Similarity transformations in magnetogasdynamics, 23:1243 (AD-670526)

Institut Atomnoi Energii, Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow.

see Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Atomnoi Energii.

INSTITUT DES HAUTES ETUDES SCIENTIFIQUES, BURES-SUR-YVETTE (FRANCE).

Anomalous properties of the axial vector current, 23:25535 (CERN-69-7, pp 361-9)

Nonleptonic hyperon decays, 23:25511 (CERN-69-7, pp 183-96)

INSTITUT FRANCO-ALLEMAND DE RECHERCHES DE SAINT-LOUIS (FRANCE).

Optical transmission of a point on a radiological screen with a system of two lens, 23:50208 (NP-17998)

Institut fuer Kernphysik, Universitaet Frankfurt (West Germany).

see Frankfurt Univ. (West Germany). Institut fuer Kernphysik.

INSTITUT FUER PLASMAPHYSIK, G.M.B.H. GARCHING (WEST GERMANY).

Anomalous diffusion and oscillations in an afterglow plasma, 23:23107 (IPP-2/65)

Arc phenomena and gasdynamic effects due to interaction of shock waves with magnetic fields, 23:10628 (IPP-3/78)

CO_2 gas laser for continuous heating of plasma source in "Wendelstein" stellarators, 23:23065 (IPP-2/73)

Confinement and heating of plasma by nonlinear interaction with laser radiation, 23:30517 (IPP-3/87)

Current density distributions and relaxation effects in Ar-K plasma streaming through channel with segmented electrodes, 23:34309 (IPP-3/63)

Density distribution of atomic beam of Q-device, 23:5379 (IPP-2/66)

Determination of the ion energy of a deuterium plasma from the absolute neutron yield in a theta-pinch, 23:23081 (IPP-1/90)

Documentation of fusion technology, 23:23066 (IPP-4/56)

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Electrostatic instabilities and the three adiabatic invariants of charged particles, 23:7026 (IPP-6/66)

Experimental and theoretical investigation of low frequency instability in modified PIG discharge, 23:42336 (IPP-3/92)

Experimental investigation of Rayleigh--Taylor instability of rotating hydrogen arc in axial magnetic field, 23:42335 (IPP-3/83)

Focus detector as an aid for focusing a laser on a target, 23:23160 (IPP-3/82)

Helium--neon laser interferometer for application to plasma diagnostics, 23:23080 (IPP-1/88)

Inductive lenses for improved magnetic field symmetry in a corrugated theta pinch coil, 23:32485 (IPP-1/89)

Influence of lattice structure and temperature on the backscattering of protons from Cu, 23:6876 (IPP-2/68)

Influence of relaxation effects on spectroscopic temperature measurements of a stationary hydrogen arc in an axial magnetic field, 23:6977 (IPP-3/77)

Interferometer for measurement of Fresnel dragging effect on microwaves by plasma, 23:10629 (IPP-3/79)

Ion energy distribution in strong collision-free compression wave, 23:32347 (IPP-1/93)

Ion heating in a very fast theta pinch, 23:6971 (IPP-1/87)

Kinetic interaction of positive-energy waves in a plasma, 23:23192 (IPP-6/72)

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Measurement of ion temperature in hydrogen arc, 23:30525 (IPP-3/88)

Measurement of Thomson and Rayleigh scattering in preionized Z-pinch, 23:42232 (IPP-1/95)

Measurements of density and temperature of Ar plasma jet, 23:23082 (IPP-3/80)

Method for calibration of the measurement apparatus by scattered measurements in hot plasmas, 23:6976 (IPP-1/84)

Method for matching a plasma-loaded high frequency coil to a generator, 23:10599 (NP-17603)

Nonlinear instability in two-dimensional plasma configurations, 23:23165 (IPP-6/68)

Nonlinear quasi-neutral electrostatic plasma waves and shock waves, 23:23193 (IPP-6/74)

Optical constants of fully ionized plasmas for radiation of ruby, neodymium-glass, and CO_2 lasers, 23:23159 (IPP-3/81)

Plasma losses in a toroidal theta pinch with superposed helical hexapole ($n = 4/3$), 23:23064 (IPP-1/92)

Plasma losses in a toroidal theta pinch with superposed hexapole, 23:6968 (IPP-1/82)

Prog. rpt. on plasma physics, annual, 1966, 23:36635 (NP-17598)

Prog. rpt. on plasmaphysics, annual, 1967, 23:36636 (NP-17732)

Properties of relativistic plasma rings, 23:23126 (IPP-1)

Radiation losses of high density Z-pinch, 23:6970 (IPP-1/86)

Recovery of ion-bombarded metal surfaces, 23:27679 (IPP-2/72)

Relaxation of heavy ion impurities in an anisotropic deuterium plasma, 23:23127 (IPP-1/91)

Solution of linear portion of Dupree's perturbation theory for plasma turbulence, 23:6987 (IPP-6/65)

Some properties of relativistic plasma rings, 23:37048 (UCRL-Trans-1397)

Switches for high current devices, 23:6969 (IPP-1/85)

Toroidal equilibrium with temperature gradients, 23:23164 (IPP-3/84)

Use of the M and S configuration in theta pinches, 23:34375 (NP-tr-1794)

Velocity distribution of particles in contact ionization plasmas, 23:25365 (BMwF-FBK-69-3, pp 12.1-12)

INSTITUT INTERUNIVERSITAIRE DES SCIENCES NUCLEAIRES, BRUSSELS (BELGIUM).

Weak interactions, 23:44586 (NP-17984)

INSTITUT NATIONAL DES SCIENCES APPLIQUEES, LYON (FRANCE).

Thermal diffusivity of solids, 23:24369 (CEA-R-3644)

INSTITUT NATIONAL DES SCIENCES ET TECHNIQUES NUCLEAIRES, SACLAY (FRANCE).

Conference on interactions between oscillating fields and plasmas, Saclay, France, 1/68, 23:18571 (CONF-680113- (Vol.1))

Conference on interactions between oscillating fields and plasmas, Saclay, France, 1/68, 23:18572 (CONF-680113- (Vol.2))

Conference on interactions between oscillating fields and plasmas, Saclay, France, 1/68, 23:34363 (CONF-680113- (Vol.3))

Conference on interactions between oscillating fields and plasmas, Saclay, France, 1/68, 23:34399 (CONF-680113- (Vol.4))

Conference on interactions between oscillating fields and plasmas, Saclay, France, 1/68, 23:44376 (CONF-680113- (Vol.5))

INSTITUT RUDJER BOSKOVIC, ZAGREB (YUGOSLAVIA).

Maximum loop gain of feedback amplifiers, 23:41096 (EUR-4289, pp 73-9)

Multichannel pulse data analysis, 23:41101 (EUR-4289, pp 149-70)

Neutron induced reactions on ^3He at $E_{\text{sub } n} = 14.4$ MeV, 23:21240 (ZFK-130, pp 211-12)

Prog. rpt. on uptake of selected radionuclides by organisms in Adriatic, annual, 7/65--6/66, 23:43716 (NP-17533)

Prog. rpt., annual, 7/65--6/66, 23:9902 (NP-17646)

Reaction ($^6\text{Li}(n,t)^4\text{He}$) at 2.7- and 14.4-MeV neutron energies, 23:21263 (ZFK-130, pp 143-4)

Signal shaping, transformation and generation, 23:41095 (EUR-4289, pp 67-71)

Statistical errors of direct pulse rate ratio measurement, 23:41043 (EUR-4289, pp 349-53)

INSTITUT ZA NUKLEARNE NAUKE BORIS KIDRIC, BELGRADE (YUGOSLAVIA).

Computer system for on-line nuclear electronic noise analysis, 23:41110 (EUR-4289, pp 277-81)

Design of a wideband pulse amplifier, 23:40985 (EUR-4289, pp 85-91)

Equipment for gamma radiation exposure dose-rate and gas activity measurements, 23:43517 (CONF-681063-, Paper 2.5)

Instrumentation for measurement and analysis of radiative samples, 23:43516 (CONF-681063-, Paper 2.4)

INSTITUTE FOR ADVANCED STUDY, PRINCETON, N. J.

Nonlinear instabilities in inhomogeneous plasma, 23:16830 (CEA-CONF-1008)

Prog. rpt. on plasma physics, annual, 5/29/69, 23:42253 (NYO-3927-5)

Institute for Atomic Sciences in Agriculture, Wageningen, Netherlands.

see Instituut voor Toepassing van Atoomenergie in de Landbouw, Wageningen (Netherlands).

Institute for Atomic Physics, Academy of the R. P. R., Bucharest.

see Academia R. P. R., Bucharest. Institutul de Fizica Atomica.

INSTITUTE FOR CANCER RESEARCH, PHILADELPHIA, PA.

Prog. rpt. on studies of effects of ultraviolet radiation on cell structure and behavior, annual, 12/67--12/68, 23:14117 (NYO-2356-33)

INSTITUTE FOR DEFENSE ANALYSES, WASHINGTON, D. C.

United States economy following a nuclear attack in 1975, 23:50594 (CONF-671135-, pp 245-73)

Institute for Electrical Power Research, Budapest, Hungary.

see Villamosenergiaipari Kutató Intézet, Budapest (Hungary).

Institute for Molecular Physics, Univ. of Maryland, College Park.

see Maryland Univ., College Park. Inst. for Molecular Physics.

Institute for Nuclear Study, Tokyo Univ., Japan.

see Tokyo Univ. (Japan). Inst. for Nuclear Study. INSTITUTE FOR RESEARCH, PRODUCTION AND USES OF RADIOISOTOPES, PRAGUE (CZECHOSLOVAKIA).

Bibliography on trace constituents determination in nuclear grade uranium, 23:13615 (UUVVR-1)

INSTITUTE FOR TELECOMMUNICATION SCIENCES AND AERONOMY, BOULDER, COLO.

Conference on Conjugate point symposium, Boulder, Colo., 6/67, 23:3331 (CONF-670631-(Vol.1))

Conference on Conjugate point symposium, Boulder, Colo., 6/67, 23:3332 (CONF-670631-(Vol.2))

Conference on Conjugate point symposium, Boulder, Colo., 6/67, 23:3333 (CONF-670631-(Vol.3))

Institute of Arthritis and Metabolic Diseases, Bethesda, Md.

see National Inst. of Arthritis and Metabolic Diseases Bethesda, Md.

INSTITUTE OF CANCER RESEARCH, SUTTON (ENGLAND). SURREY BRANCH.

Homeostasis in irradiated tissues, 23:20342 (BNL-50058, pp 212-22)

Natural radiation, 23:50462 (PHS-999-RH-33, pp 124-7)

INSTITUTE OF MATHEMATICAL SCIENCES, MADRAS (INDIA).

Group theory and unitary symmetry, 23:36961 (MATSCIENCE-61)

Lectures on functional formulation in S-matrix theory, 23:52011 (MATSCIENCE-47)

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT, COLUMBUS, OHIO.

Conference on 9th annual meeting of the Institute of Nuclear Materials Management, Chicago, Ill., 5/68, 23:43492 (CONF-680506)

INSTITUTE OF NUCLEAR PHYSICS, KRAKOW (POLAND).

Conference on practical applications of Moessbauer effect, Krakow, 4/67, 23:14862 (INP-571)

Determination of oxygen parameter in ZnFe_2O_4 by neutron diffraction, 23:24142 (INP-667)

Elastic scattering of alpha particles on ^{39}K nuclei in energy range from 22.1 to 28.2 MeV, 23:7244 (INP-613)

Energy spectra of spin lattices in magnetic crystals with impurities, 23:1512 (INP-617)

Glory effect in optical model analysis of $^{39}\text{K}(\alpha, \alpha)^{39}\text{K}$ elastic scattering, 23:19201 (INP-614)

High energy collisions of hadrons and nuclei, 23:44669 (INP-678)

Investigation on separation of some lanthanides and actinides by extraction chromatography, 23:35258 (INP-674)

Level scheme of ^{147}Sm and g-factors of its two lowest excited states, 23:1875 (INP-620)

Low excited states of ^{54}Mn , 23:1822 (INP-626)

Moessbauer effect and its possible practical application, 23:14863 (INP-571, Paper 9)

Molecular dynamics studies by neutron inelastic scattering and competing methods, 23:27691 (INP-600/PS)

Nuclear glory effect in elastic scattering of alpha particles, 23:5836 (INP-624)

Proceedings of VIII Cracow school of theoretical physics, 23:8761 (INP-622(Vol.1))

Production of carrier-free radioisotopes from targets irradiated with deuterons or α -particles in cyclotron. I, 23:24215 (INP-662)

Production of carrier-free radioisotopes from targets irradiated with deuterons or α -particles in cyclotron. II, 23:24216 (INP-663)

Quark model, 23:8795 (INP-622(Vol.1), pp 39-74)

Reaction (d, p) on ^{48}Ti and ^{50}Ti nuclei, 23:21296 (ZFK-130, pp 111-15)

Scattering of very high energy particles from nuclei and nucleon--nucleon correlations, 23:9025 (TID-24667, pp 359-68)

Solvent extraction and separation of some lanthanides and americium by extraction chromatography in the system Aliquat-336-- LiNO_3 and HNO_3 , 23:35259 (INP-675)

Superconvergence and finite energy sum rules, 23:8805 (INP-622(Vol.1), pp 75-84)

INSTITUTE OF NUCLEAR RESEARCH, KRAKOW (POLAND).

Natural selective gamma radiologging, 23:17812 (CEA-CONF-1185)

Quark model, 23:8795 (INP-622(Vol.1), pp 39-74)

Rapid separation of radioactive elements by vacuum evaporation, 23:2380 (ORNL-tr-2013)

Sum rules for inelastic electron scattering, 23:9010 (TID-24667, pp 155-66)

INSTITUTE OF NUCLEAR RESEARCH, SWIERK (POLAND).

Fast neutron excitation of isomeric activities in ^{112}In and ^{114}In isotopes, 23:21335 (ZFK-130, pp 233-8)

Manufacture of nuclear fuel rods by vibrocompaction of uniform size ceramic powders, 23:13584 (CONF-680504-2)

INSTITUTE OF NUCLEAR RESEARCH, WARSAW (POLAND).

10 MHz decimal counter with logic gates, 23:41133 (INR-1052)

Analogue study of steady and unsteady state temperature distributions in beryllium block in reactor core, 23:30012 (INR-961)

Analogue study of temperature distributions in reactor shields with inner cooling pipes, 23:52332 (INR-959)

Analysis of fast double--triple and double--multiple coincidence circuits, 23:17820 (INR-964)

Antiferromagnetic ordering in uranium monoarsenide and monosulfonide, 23:7029 (INR-P-937)

Application of Polish dolomite and phosphorite for

decontamination of radioactive laboratory effluents, 23:344 (INR-922)

Application of semiconductor detectors in x-ray fluorescence analysis, 23:4800 (ANL-Trans-631)

Applications of resistance analog computer to solving of heat conduction problems, 23:47692 (INR-976)

Betatron 30 MeV, 23:25725 (INR-958)

Calculation of energy distributions of light nuclei accompanying fission of ^{235}U , 23:7329 (INR-932)

Calibration of logarithmic rate meter, 23:50116 (INR-1089)

Charge collection in silicon drifted detectors, 23:50115 (INR-972)

Construction equipment of press PHM 400 for impressing fuel elements of WWRM type, 23:41700 (INR-1050)

Correlated emission of light nuclei and neutrons in fission of ^{235}U , 23:44883 (INR-1033)

Cross-sections for the meson-baryon two-body reactions and the quark model, 23:34532 (INR-1040)

Delay pulse generator $/1.10^{-6}$ sec - 1.10^{-2} sec/, 23:50207 (INR-1059)

Density-ratio method for localizing the axis of extensive air shower, 23:16682 (INR-944)

Dependence of the energy of a nucleus on the deformation, 23:49444 (INR-1039)

Diffusive sulphuration of steel wwnl used for matrixes working in increased temperatures, 23:41563 (INR-1049)

Electric resistance analogy for heat transfer studies. II, 23:21883 (INR-949)

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Prog. rpt. on Inst. of Nuclear Research, annual, 1968, 23:51857 (INR-1100)

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Time response of the radiation electrochemical cell, 23:46336 (INR-994)

Use of the solid state particle track detectors in reactor measurements, 23:50117 (INR-1097)

INSTITUTE OF NUCLEAR SCIENCES, LOWER HUTT (NEW ZEALAND). Prog. rpt. on nuclear studies, semiannual, 7--12/67, 23:40514 (NP-17963)

Institute of Plasma Physics, Univ. of Nagoya, Japan. see Nagoya Univ. (Japan). Inst. of Plasma Physics.

INSTITUTE OF RADIATION PHYSICS, HELSINKI (FINLAND). Cesium-137 level in control group of the Institute of Radiation Physics, 1967, 23:33697 (SFL-A-12, pp 27-30)

Exposure of radiological employees in Finland, 1965--67, 23:29504 (SFL-A-11)

Prog. rpt. on environmental radioactivity in Finland, annual, 1967, 23:33694 (SFL-A-12)

Radioactivity of Finnish milk, 1967, 23:33696 (SFL-A-12, pp 12-26)

Radon-222 concentration of water samples determined with γ -spectrometric measurements, 23:49733 (SFL-A-14)

Strontium-90 and ^{137}Cs in water, 23:33695 (SFL-A-12, pp 2-11)

Whole-body counter measurements of K and its biological half-time in male subjects, 23:6351 (NYO-3446-11, pp 53-60)

Institute of Transuranium Elements, Euratom, Karlsruhe, Germany. see European Atomic Energy Community, Karlsruhe (West Germany). Inst. of Transuranium Elements.

Institutes of Health, Bethesda, Md. see National Institutes of Health, Bethesda, Md.

INSTITUTO DE ENERGIA ATOMICA, SAO PAULO (BRAZIL). Determination of absorption cross-sections of moderators by the method of pulsed sources, 23:13179 (IEA-129)

Energy response of LiF , CaF_2 , and $\text{Li}_2\text{B}_4\text{O}_7\text{:Mn}$ from 26 keV to 22 MeV, 23:7832 (CONF-680920-, pp 410-23)

INSTITUTO DE INVESTIGACION AERONAUTICA Y ESPACIAL, BUENOS AIRES (ARGENTINA). Phenomenological and microscopic analysis of properties of even-even nuclei, 23:4053 (NP-17506)

INSTITUTO DE INVESTIGACIONES MEDICAS, MADRID (SPAIN). Isotopes in medical and biological investigation, 23:24503 (CONF-670649-25)

INSTITUTO NACIONAL DE INVESTIGACIONES AGRONOMICAS, MADRID (SPAIN). Four years of operation of gamma radiation field of Instituto Nacional de Investigaciones Agronomicas, 23:24380 (CONF-670649-9)

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Variations in the development of different vegetable species exposed to irradiation, 23:22434 (CONF-670649-8)

INSTITUTO NACIONAL DE TECNICA AEROSPAIAL, MADRID (SPAIN). Gammagraphy and the non-destructive testing of materials, 23:24404 (CONF-670649-31)

INSTITUTO POLITECNICO NACIONAL, MEXICO CITY. Nuclear engineering at National Polytechnic Institute (Mexico), 23:43232 (CONF-670338, pp 315-16)

INSTITUTO POLITECNICO NACIONAL, MEXICO CITY. ESCUELA SUPERIOR DE FISICA Y MATEMATICAS. Dynamic characteristics of reactors, 23:47304 (CNM-R-2(Vol.2), pp 1031-46)

INSTITUTT FOR ATOMENERGI, HALDEN (NORWAY). OECD HALDEN REAKTOR PROSJEKT. Burn-up experiments with the HBWR second fuel charge, 23:17165 (HPR-86)

In-core study of fuel/clad interaction and fuel center temperature, 23:26127 (HPR-107)

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Prog. rpt. on HBWR, 1--3/69, 23:43125 (HPR-109)

Prog. rpt. on HBWR, 10--12/68, 23:19504 (HPR-104)

Prog. rpt. on reactor operation, 7--9/68, 23:9177 (HPR-103)

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INSTITUTT FOR ATOMENERGI, KJELLER (NORWAY). Analysis for the Kjeller reprocessing facilities, 23:9510 (KR-130)

FROST: two-dimensional few group neutron diffusion code, 23:33039 (KR-133)

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Measurement of intracell fission density and fast neutron flux distributions in NORA reactor, 23:37613 (KR-134)

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Rapid determination of aluminium in rocks by reactor

neutron activation analysis, 23:33160 (KR-131)
 Institutul de Fizica Atomica, Academia R. P. R., Bucharest.
 see Academia R. P. R., Bucharest. Institutul de Fizica Atomica.
 INSTITUUT VOOR KERNFYSISCH ONDERZOEK, AMSTERDAM (NETHERLANDS).
 Electromagnetic structure of the nucleon, 23:8713 (TID-24667, pp 113-36)
 Present electron scattering facility at the Institute for Nuclear Physics Research on Amsterdam, 23:8874 (TID-24667, pp 27-30)
 Some details concerning Amsterdam 180° equipment, 23:8877 (TID-24667, pp 201-6)
 Instituut voor Plasma-Fysica, Stichting voor Fundamenteel Onderzoek der Materie, Jutphaas, Netherlands.
 see Stichting voor Fundamenteel Onderzoek der Materie, Jutphaas (Netherlands). Instituut voor Plasma-Fysica.
 INSTITUUT VOOR TOEPASSING VAN ATOOMENERGIE IN DE LANDBOUW, WAGENINGEN (NETHERLANDS).
 Prog. rpt. on application of atomic energy in agriculture, annual, 1967, 23:9910 (EUR-4080)
 Simulation of ⁹⁰Sr transport through soils evaluation of parameters, 23:47623 (EUR-4294)
 INSTYTUT ONKOLOGII, WARSAW (POLAND).
 Bibliography on oncology, 23:26820 (NP-16780(Vol.3))
 Exposure evaluation of personnel dealing with clinical radium applicators, 23:33704 (CLOP/IO-70)
 Prog. rpt. on radiobiology, annual, 1966, 23:20267 (NEIC-RR-26)
 Report of research work during 1967, 23:29559 (NEIC-RR-33)
 INTER-AMERICAN DEVELOPMENT BANK, WASHINGTON, D.C.
 InterAmerican development bank and electric power financing in Latin America, 23:43081 (CONF-670338, pp 251-5)
 INTER-AMERICAN INST. OF AGRICULTURAL SCIENCES, TURRIALBA (COSTA RICA).
 Biology and sterilization of coffee leaf miner, 23:48290 (NYO-2043-195, pp 117-31)
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 Prog. rpt. on application of nuclear energy to agriculture, annual, 7/1/68, 23:10108 (NYO-2043-173)
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 Prog. rpt. on applications of nuclear energy to agriculture, annual, 7/1/69, 23:48008 (NYO-2043-194)
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 INTER-AMERICAN NUCLEAR ENERGY COMMISSION, WASHINGTON, D. C.
 Organization of American States and nuclear science and technology, 23:43229 (CONF-670338, pp 257-60)
 INTER-AMERICAN TROPICAL TUNA COMMISSION, LA JOLLA, CALIF.
 Concentration of ⁶⁵Zn by oysters, 23:18009 (CONF-670503- , pp 363-71)
 INTERAGENCY COUNCIL FOR OCEAN RESOURCES.
 Conference on sea water conversion, Sacramento, Calif., 6/68, 23:7407 (CONF-680640)
 Interatom, Bensberg, Germany.
 see Internationale Atomreaktorbau G.m.b.H., Bensberg (West Germany).
 INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA (AUSTRIA).

Aseismic design and testing of nuclear facilities, 23:52390 (STI/DOC-10/88)
 Bibliography on uranium carbides, nitrides, and silicides. III, 23:46123 (STI/PUB-21/33)
 Chemical treatment of radioactive wastes, 23:45370 (STI/DOC-10/89)
 Conference on advanced and high-temperature gas-cooled reactors, Juelich, 10/68, 23:37448 (STI/PUB-197)
 Conference on bone-marrow conservation, culture, and transplantation, Moscow, 7/68, 23:50834 (STI/PUB-219)
 Conference on medical radioisotope scintigraphy, Salzburg, 8/68, 23:48089 (STI/PUB-193(Vol.2))
 Conference on medical radioisotope scintigraphy, Salzburg, Austria, 8/68, I, 23:33388 (STI/PUB-193(Vol.1))
 Conference on neutron irradiation of seeds, 23:50928 (STI/DOC-10/76)
 Conference on new approaches to breeding for improved plant protein, Roestange, Sweden, 6/68, 23:31686 (STI/PUB-212)
 Conference on nuclear activation techniques in life sciences, Amsterdam, 5/67, 23:4524 (STI/PUB-155)
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 Conference on nuclear techniques and mineral resources, Buenos Aires, 11/68, 23:35341 (STI/PUB-198)
 Conference on plasma physics and controlled nuclear fusion research, Novosibirsk, 8/68. I, 23:32306 (STI/PUB-192(Vol.1))
 Conference on plasma physics and controlled nuclear fusion research, Novosibirsk, 8/68. II, 23:32307 (STI/PUB-192(Vol.2))
 Conference on radiation protection monitoring, Bombay, India, 12/68, 23:48051 (STI/PUB-199)
 Conference on radioisotopes in pulp and paper industry, Helsinki, 10/67, 23:47713 (STI/PUB-202)
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 Conference on value to agriculture of high-quality water from nuclear desalination, Vienna, 10--11/67, 23:33093 (STI/PUB-210)
 Cost of water from single-purpose multi-stage flash plant with vapor recompression, 23:49605 (STI/DOC-10/93)
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 IAEA in Latin America, 23:43230 (CONF-670338, pp 261-70)
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 Laser applications in plasma physics (1962--1968), 23:30526 (STI/PUB-21/35)
 List of bibliographies on nuclear energy, 23:45167 (STI/DOC-11(Vol.7)(No.2))
 List of bibliographies on nuclear energy, 23:11385 (STI/DOC-11(Vol.6)(No.3))
 Maria Sklodowska-Curie Centenary lectures, Warsaw, 10/67, 23:32777 (STI/PUB-179)
 Neutron irradiation of seeds, 23:45947 (CNM-R-2(Vol.2), pp 826-40)
 Operation and control of ion-exchange processes for treatment of radioactive wastes, 23:47727 (STI/DOC-10/78)
 Panel on trace mineral studies with isotopes in domestic animals, Vienna, Austria, 10/68, 23:45610 (STI/PUB-218)
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 Prog. rpt. on IAEA Laboratory activities, annual, 1968, 23:43248 (STI/DOC-10/98)
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 Use of a research reactor in the national nuclear program, 23:47236 (CNM-R-2(Vol.1), pp 94-100)
 INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA (AUSTRIA).
 NUCLEAR DATA UNIT.
 CINDA 68 supplement: index to literature on microscopic neutron data, 23:19125 (TID-24489(Suppl.))
 CINDA 69: index to literature on microscopic neutron data, 23:44805 (TID-25165)
 International Atomic Energy Agency. International Centre for Theoretical Physics, Trieste.
 see International Centre for Theoretical Physics, Trieste (Italy).
 INTERNATIONAL BUSINESS MACHINES CORP., HOPEWELL JUNCTION, N.Y. EAST FISHKILL LAB.
 Mathematical simulation of the effects of ionizing radiation on semiconductors, 23:39529 (AD-680001)
 International Business Machines Corp., Palo Alto, Calif. Scientific Center.
 see IBM Scientific Center, Palo Alto, Calif.
 International Business Machines Corp., Yorktown Heights, N.Y. Watson Research Center.
 see IBM Watson Research Center, Yorktown Heights, N.Y.

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- INTERNATIONAL CHEMICAL AND NUCLEAR CORP., PITTSBURGH, PA. NUCLEAR SCIENCE DIV.
- Measurement of sulfur dioxide in stack gases, 23:47714 (TID-25137)
- Moessbauer spectrometry for analysis of iron compounds, 23:33952 (NSEC-4010-1)
- INTERNATIONAL COMBUSTION LTD., DERBY (ENGLAND).
- Boilers for nuclear power stations. Pts. A and B, 23:45100 (CONF-681064-4)
- INTERNATIONAL COMMISSION ON RADIATION UNITS AND MEASUREMENTS, WASHINGTON, D.C.
- Certification of standardized radioactive sources, 23:2515 (ICRU-12)
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- Radiation quantities and units, 23:4494 (ICRU-11)
- INTERNATIONAL HARVESTER CO., SAN DIEGO, CALIF. SOLAR DIV.
- Proceedings of seventh rare earth research conference, Coronado, Calif., Oct. 28-30, 1968, 23:8645 (CONF-681020-(Vol.1))
- Proceedings of seventh rare earth research conference, Coronado, Calif., Oct. 28-30, 1968, 23:8661 (CONF-681020-(Vol.2))
- INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY.
- COMMISSION ON HIGH TEMPERATURES AND REFRACTORIES.
- Bibliography on high temperature chemistry and physics of gases and plasmas, 23:5367 (NP-17683)
- INTERNATIONALE ATOMREAKTORBAU G.M.B.H., BENSBERG (WEST GERMANY).
- Design considerations and experimental program for common development of 300-MWe Na-cooled fast breeder prototype SNR by Belgian--Dutch--German consortium, 23:47157 (ANL-7520(Pt.2), pp 130-46)
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- Interuniversity Inst. of Nuclear Science, Brussels.
- see Institut Interuniversitaire des Sciences Nucleaires, Brussels (Belgium).
- Offe Physical-Technical Inst., Academy of Sciences, USSR, Leningrad.
- see Akademiya Nauk SSSR, Leningrad. Fiziko-Tekhnicheskii Institut.
- Offe Physical-Technical Inst., Academy of Sciences, USSR, Moscow.
- see Akademiya Nauk SSSR, Moscow. Fiziko-Tekhnicheskii Institut.
- ON PHYSICS CORP., BURLINGTON, MASS.
- Dynamics model for large power reactor, 23:43095 (INR-1032)
- ONICS, INC., WATERTOWN, MASS.
- Potable water from seawater by high-temperature electrodialysis, 23:28944 (CONF-680810-, pp 269-98)
- IOWA ELECTRIC LIGHT AND POWER CO., CEDAR RAPIDS.
- Duane Arnold Energy Center preliminary safety analysis report, Vol. 3, 23:4139 (DOCKET-50331-3)
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- Duane Arnold Energy Center preliminary safety analysis report, Amend. 6, 23:52259 (DOCKET-50331-12)
- IOWA-ILLINOIS GAS AND ELECTRIC CO., DAVENPORT, IOWA.
- Quad-Cities Station, Units 1 and 2 preliminary safety analysis report, Amend. 8, 23:25987 (DOCKET-50254-13)
- Quad-Cities Station, Units 1 and 2 safety analysis report, Amend. 7, Vol. 2, 23:4106 (DOCKET-50254-11)
- Quad-Cities Station, Units 1 and 2 safety analysis report, Amend. 7, Vol. 3, 23:4107 (DOCKET-50254-12)
- Quad-Cities Station, Units 1 and 2 safety analysis report, Amend. 7, Vol. 1, 23:4105 (DOCKET-50254-10)
- IOWA STATE UNIV. OF SCIENCE AND TECHNOLOGY, AMES.
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- Iowa State Univ. of Science and Tech., Ames. Ames Lab. see Ames Lab., Iowa.
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- Iowa Univ., Iowa City. Coll. of Medicine. Radiation Research Lab.
- see Iowa Univ., Iowa City. Radiation Research Lab.
- IOWA UNIV., IOWA CITY. DEPT. OF CHEMISTRY.
- Mass spectrometric determination of dissociation energies of PrS , GdS , and PrO , 23:26213 (COO-1182-27)
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- IOWA UNIV., IOWA CITY. DEPT. OF PHYSICS AND ASTRONOMY.
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- IOWA UNIV., IOWA CITY. RADIATION RESEARCH LAB.
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- (NVO-1229-98)
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 Israel Inst. of Tech., Haifa.
 see Technion--Israel Inst. of Tech., Haifa.
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 see Instituut voor Toepassing van Atoomenergie in de Landbouw, Wageningen (Netherlands).
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 see Comitato Nazionale per l'Energia Nucleare, Bologna (Italy).
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 Italy. Comitato Nazionale per l'Energia Nucleare, La Spezia. Laboratori per lo Studio della Contaminazione Radioattiva del Mare.
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 see Comitato Nazionale per l'Energia Nucleare, Rome (Italy).
 Italy. Comitato Nazionale per l'Energia Nucleare. Centro di Calcolo, Bologna.
 see Comitato Nazionale per l'Energia Nucleare, Bologna (Italy). Centro di Calcolo.
 Italy. Comitato Nazionale per l'Energia Nucleare. Laboratori Nazionali, Frascati.
 see Comitato Nazionale per l'Energia Nucleare, Frascati (Italy). Laboratori Nazionali di Frascati.
 Italy. Consiglio Nazionale delle Ricerche, Rome.
 see Consiglio Nazionale delle Ricerche, Rome (Italy).
 Italy. Ente Nazionale per l'Energia Elettrica, Latina.
 see Ente Nazionale per l'Energia Elettrica, Latina (Italy).
 Italy. Ente Nazionale per l'Energia Elettrica, Rome.
 see Ente Nazionale per l'Energia Elettrica, Rome (Italy).
 Italy. Istituto Nazionale di Fisica Nucleare, Milan.
 see Istituto Nazionale di Fisica Nucleare, Milan (Italy).
 Italy. Istituto Nazionale di Fisica Nucleare, Pisa.
 see Istituto Nazionale di Fisica Nucleare, Pisa (Italy).
 Italy. Istituto Nazionale di Fisica Nucleare, Rome.
 see Istituto Nazionale di Fisica Nucleare, Rome (Italy).
 Italy. Istituto Nazionale di Fisica Nucleare, Trieste.
 see Istituto Nazionale di Fisica Nucleare, Trieste (Italy).
 Italy. Istituto Nazionale di Fisica Nucleare, Turin.
 see Istituto Nazionale di Fisica Nucleare, Turin (Italy).
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- John H. Williams Lab. of Nuclear Physics, Univ. of Minnesota, Minneapolis. see Minnesota Univ., Minneapolis. John H. Williams Lab. of Nuclear Physics.
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HNS HOPKINS UNIV., BALTIMORE, MD. Medical Institutions. see Johns Hopkins Medical Institutions, Baltimore, MD.

HNS HOPKINS UNIV., BALTIMORE, MD. SCHOOL OF HYGIENE AND PUBLIC HEALTH.

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HNS HOPKINS UNIV., BALTIMORE, MD. SCHOOL OF MEDICINE.

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HNS HOPKINS UNIV., SILVER SPRING, MD. APPLIED PHYSICS LAB.

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JOHNSTON LABS., INC., BALTIMORE, MD.

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JOHNSTON (WILLIAM H.) LABS., INC., BALTIMORE, MD. see also Johnston Labs., Inc., Baltimore, MD.

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 see European Atomic Energy Community, Petten (Netherlands). Joint Nuclear Research Center.
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- K**
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 see Technische Hochschule, Karlsruhe (West Germany). Institut fuer Experimentelle Kernphysik.
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 see California Inst. of Tech., Pasadena. W. M. Keck Lab. of Engineering Materials.
 Kema, Arnhem, Netherlands.
 see Keuring van Elektrotechnische Materialen, N. V., Arnhem (Netherlands).
 KENT UNIV., CANTERBURY (ENGLAND).
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 Kernenergieanlagen, Allgemeine Elektrizitaets-Gesellschaft, Frankfurt am Main (West Germany).
 see Allgemeine Elektrizitaets-Gesellschaft, Frankfurt am Main (West Germany). Kernenergieanlagen.
 KERNFORSCHUNGSANLAGE, JUELICH (WEST GERMANY).
 Annual report, 1967, 23:40512 (NP-17718)

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KERNFORSCHUNGSANLAGE, JUELICH (WEST GERMANY). INSTITUT FUER REAKTORWERKSTOFFE.

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Kernforschungsanlage, Juelich (West Germany). Laboratorium fuer Radioaktive Festkoerper, Institut fuer Reaktorwerkstoffe.

see Kernforschungsanlage, Juelich (West Germany). Institut fuer Reaktorwerkstoffe.

KERNFORSCHUNGSANLAGE, JUELICH (WEST GERMANY). ZENTRALABTEILUNG FORSCHUNGSREAKTOREN.

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KERNFORSCHUNGSZENTRUM, KARLSRUHE (WEST GERMANY).

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Bibliography on thermal high flux reactors, 23:33086 (KFK-719)

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- Physics investigations of U-fueled fast steam-cooled reactors in SNEAK, assemblies 3A-0, 3A-2, 3A-3, 23:21464 (EURFNR-608)
- Prog. rpt. on department of radiation protection and decontamination, annual, 1967, 23:43504 (KFK-888)
- Radiation density of Karlsruhe Nuclear Research Center surroundings as consequence of leakage of radioactive material into atmosphere, 23:29007 (KFK-930)
- Reaction of liquid hydrogen with liquid air in a pressure tube, 23:9197 (KFK-789)
- Routine dosimetry with phosphate glasses, 23:7858 (CONF-680920-, pp 830-52)
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Gamma transitions and excited states of neutron-poor even

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- KERNKRAFTWERK LINGEN G.M.B.H. (WEST GERMANY).
Prog. rpt. on Lingen Nuclear Power Plant, annual, 1967, 23:11113 (EUR-4079)
- KERNKRAFTWERK OBRIGHEIM G.M.B.H., STUTTGART (WEST GERMANY).
Prog. rpt. on Obrigheim Nuclear Power Plant, annual, 1967, 23:11114 (EUR-4091)
- KERNKRAFTWERK RWE-BAYERNWERK G.M.B.H., GUNDEMMINGEN (WEST GERMANY).
Gundremmingen Nuclear Power Plant operations report, 1/69, 23:49517 (TID-25201)
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Prog. rpt. on Gundremmingen Nuclear Power Plant, 1/68, 23:52271 (TID-25212)
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Prog. rpt. on Gundremmingen Nuclear Power Plant, 12/68, 23:52282 (TID-25223)
Prog. rpt. on Gundremmingen Nuclear Power Plant, 2/68, 23:52272 (TID-25213)
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Prog. rpt. on Gundremmingen Nuclear Power Plant, 6/68, 23:52276 (TID-25217)
Prog. rpt. on Gundremmingen Nuclear Power Plant, 7/68, 23:52277 (TID-25218)
Prog. rpt. on Gundremmingen Nuclear Power Plant, 8/68, 23:52278 (TID-25219)
Prog. rpt. on Gundremmingen nuclear power plant, 9/68, 23:52279 (TID-25220)
Prog. rpt. on Gundremmingen nuclear power plant, annual, 1967, 23:9092 (EUR-4078)
Prog. rpt. on Gundremmingen Nuclear Power Plant, annual, 1967, 23:19398 (AEC-tr-7033)
- Kernreaktor Bau- und Betriebs-Gesellschaft m.b.H.
Kernforschungszentrum, Karlsruhe, Germany.
see Kernforschungszentrum, Karlsruhe (West Germany).
- KEURING VAN ELECTROTECHNISCHE MATERIALEN, N. V., ARNHEM (NETHERLANDS).
Noise analysis of a near critical homogeneous circulating fuel reactor, 23:11298 (RCN-98, pp 359-79)
Simple approximate formula for gamma streaming through narrow air filled offset penetrations through reactor shields, 23:13468 (AERE-R-5773 (Vol.3), pp 755-78)
- KIEL UNIV. (WEST GERMANY). INSTITUT FUER ANGEWANDTE PHYSIK.
Radiation induced conductivity effects in organic halogen compounds, 23:24212 (BmWF-FBK-68-52)
- KIEL UNIV. (WEST GERMANY). INSTITUT FUER EXPERIMENTALPHYSIK.
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- Kjeller Research Establishment. Institute for Atomic Energy, Norway.
see Institutt for Atomenergi, Kjeller (Norway).
- KNOLLS ATOMIC POWER LAB., SCHENECTADY, N. Y.
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- Kresge Eye Inst., School of Medicine, Wayne State Univ., Detroit, Mich.
see Wayne State Univ., Detroit, Mich. Kresge Eye Inst.
- KUNGLIGA TEKNISKA HOGSKOLAN, STOCKHOLM (SWEDEN).
Neutron irradiation of seeds, 23:45947 (CNM-R-2 (Vol.2), pp 826-40)
- KUNGLIGA VETENSKAPSAKADEMIEN, KIRUNA (SWEDEN). GEOPHYSISKA OBSERVATORIET.
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- KYOTO UNIV. (JAPAN).
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 Problems associated with nuclear fission by slow neutrons, 23:37192 (KURRI-TR-10, pp 3-19)

L

LA PLATA UNIVERSIDAD NACIONAL (ARGENTINA).
 Phenomenological and microscopic analysis of properties of even-even nuclei, 23:4053 (NP-17506)
 La Molina Agricultural Experiment Station, Lima, Peru.
 see Estacion Experimental Agricola de La Molina, Lima (Peru).
 Laboratoire de l'Accelérateur Lineaire, Univ. de Paris, Orsay, France.
 see Paris Univ., Orsay (France). Laboratoire de l'Accelérateur Lineaire.
 LABORATOIRE DE RECHERCHES SUR LA PHYSIQUE DES PLASMAS, LAUSANNE (SWITZERLAND).
 see also Centre de Recherches en Physique des Plasmas, Lausanne (Switzerland).
 Survey of research at Laboratoire de Recherches en Physique des Plasmas, 23:34364 (CONF-680113-(Vol.4), pp 1047-75)
 Laboratori Nazionali di Frascati, Comitato Nazionale per l'Energia Nucleare, Italy.
 see Comitato Nazionale per l'Energia Nucleare, Frascati (Italy). Laboratori Nazionali di Frascati.
 Laboratorio de Física e Engenharia Nucleares, Junta de Energia Nuclear, Sacavem, Portugal.
 see Junta de Energia Nuclear, Sacavem (Portugal).
 Laboratorio de Física e Engenharia Nucleares.
 Laboratorio Gas Ionizzati, Comitato Nazionale per l'Energia Nucleare, Frascati, Italy.
 see Comitato Nazionale per l'Energia Nucleare, Frascati (Italy). Laboratorio Gas Ionizzati.
 Laboratorio per lo Studio della Contaminazione Radioattiva del Mare, Comitato Nazionale per l'Energia Nucleare, La Spezia, Italy.
 see Comitato Nazionale per l'Energia Nucleare, La Spezia (Italy). Laboratorio per lo Studio della Contaminazione Radioattiva del Mare.
 Laboratorios de Ensayos e Investigación Industrial L. Jose de Torrontegui Ibarra, Escuela Técnica Superior de Ingenieros Industriales, Bilbao, Spain.
 see Escuela Técnica Superior de Ingenieros Industriales, Bilbao (Spain). Laboratorios de Ensayos e Investigación Industrial.

Laboratory for Electronics, Inc., Richmond, Calif.
 Tracerlab/West Div.
 see Tracerlab/West, Richmond, Calif.
 Laboratory for Electronics, Inc., Tracerlab Div., Richmond, Calif.
 see Tracerlab, Richmond, Calif.
 LANDESIINSTITUT FUER ARBEITSSCHUTZ UND ARBEITSMEDIZIN, KARLSRUHE (WEST GERMANY).
 Performance of extensive experiments on glass dosimeters by official personnel dosimetry service of Land Baden--Wuerttemberg, 23:16159 (BmWF-FBK-68-45)
 LANDIS UND GYR A.G., ZUG (SWITZERLAND).
 Easily readable personnel dosimeter for small measurements, 23:20006 (CONF-680507-, pp 237-42)
 Langley Research Center, National Aeronautics and Space Administration.
 see National Aeronautics and Space Administration, Langley Station, Va. Langley Research Center.
 Lawrence Radiation Lab., Univ. of California, Berkeley.
 see California Univ., Berkeley. Lawrence Radiation Lab.
 Lawrence Radiation Lab., Univ. of California, Livermore, Calif.
 see California Univ., Livermore. Lawrence Radiation Lab.
 Lawrence Radiation Lab., Univ. of California, Mercury, Nev.
 see California Univ., Mercury, Nev. Lawrence Radiation Lab.
 LEEDS UNIV. (ENGLAND).
 LiF thermoluminescence dosimetry in trabecular bone, 23:7864 (CONF-680920-, pp 920-35)
 LEHIGH UNIV., BETHLEHEM, PA.
 Prog. rpt. on scintillation process in inorganic phosphors, annual, 1969, 23:21938 (NYO-3408-33)
 Pure and activated CdF₂ and PbWO₄, 23:19987 (NYO-3409-31)
 Pure and activated PbF₂, 23:19936 (NYO-3409-30)
 LEIDEN RIJKSUNIVERSITEIT (NETHERLANDS).
 Interaction of molecules with low-energy electrons, 23:34276 (NP-17938)
 Sputtering of f.c.c. metals, 23:33950 (NP-17941)
 LEIPZIG UNIV. (EAST GERMANY). PHYSIKALISCHES INSTITUT.
 Fine structure of isobaric analog resonance in reactions $^{55}\text{Mn}(p,\gamma)^{56}\text{Fe}$ and $^{55}\text{Mn}(p,n)^{56}\text{Fe}$, 23:21293 (ZFK-130, pp 96-9)
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 Remarks on summation and integration of spherical harmonics using the graphical method, 23:21381 (ZFK-130, pp 239-45)
 LENINGRAD ELECTRICAL ENGINEERING INST. (USSR).
 Experimental investigation of the efficiency of rapid plasma heating methods, 23:32308 (NP-tr-1775)
 Lewis Research Center, National Aeronautics and Space Administration.
 see National Aeronautics and Space Administration, Cleveland, Ohio. Lewis Research Center.
 LEYBOLD-HERAEUS G.M.B.H., COLOGNE (WEST GERMANY).
 Development of a method of concentrating and drying liquid radioactive waste, 23:2542 (EUR-4047)
 LIBRARY OF CONGRESS, WASHINGTON, D.C.
 Bibliography on radiation pasteurization of fruits and vegetables, 23:43925 (ORNL-IC-11(Suppl.2))
 LIBRARY OF CONGRESS, WASHINGTON, D. C. AEROSPACE TECHNOLOGY DIV.
 Linear electron accelerator at Kharkov Physicotechnical Institute, 23:27907 (N-69-10922)
 Modification of ionosphere, 23:27428 (AD-680983)
 Soviet particle accelerators: analytical review, 23:23574 (AD-675120)
 Soviet radiobiology, 23:5030 (AD-671436)
 LIBRARY OF CONGRESS, WASHINGTON, D. C. SCIENCE AND TECHNOLOGY DIV.
 Bibliography on nuclear science in mainland China, 23:9284 (NP-17715)
 LIEGE UNIV. (BELGIUM). INSTITUT D'ASTROPHYSIQUE.
 Pulses generated by ionizing radiation in photomultiplier tubes, 23:20075 (N-68-37035)
 LIEGE UNIV. (BELGIUM). LABORATOIRE D'APPLICATION DES RADIOELEMENTS.
 Fabrication and testing of deuterated and tritiated polyphenyl targets, 23:37036 (EUR-4276)
 LIEGE UNIV. (BELGIUM). LABORATOIRE DE RECHERCHES POUR LA PROTECTION DES POPULATIONS CIVILES.
 Mechanisms of action of sulfur-containing radioprotectors, 23:20262 (BNL-50058, pp 241-62)
 LIEGE UNIV. (BELGIUM). LABORATOIRE DES RADIOELEMENTS.
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 see Union Carbide Corp., Indianapolis, Ind. Linde Div.
 Linde Div., Union Carbide Corp., Tonawanda, N. Y.
 see Union Carbide Corp., Tonawanda, N. Y. Linde Div.
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 Competition in the nuclear power supply industry, 23:19441 (NYO-3853-1)
 Mechanical properties of transition metal carbides and

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 Livermore Lab., Sandia Corp., Calif.
 see Sandia Corp., Livermore, Calif.
 LJUBLJANA UNIV. (YUGOSLAVIA).
 Synthesis and properties of hydrazinium (1+) fluoride, 23:21680 (NIJS-P-227)
 LOCKHEED-GEORGIA CO., MARIETTA.
 Effects of interim warming on tensile properties of a 286 stainless steel irradiated at cryogenic temperatures, 23:27126 (N-69-14651)
 Radiation effects on lithium p on n solar cells, 23:26632 (N-69-11598)
 LOCKHEED MISSILES AND SPACE CO., PALO ALTO, CALIF.
 LOCKHEED PALO ALTO RESEARCH LAB.
 Conference on gaseous electronics, San Francisco, 10/67, 23:3245 (CONF-671066)
 Cyclotron echo study, 23:25393 (AD-678840)
 Data-handling system for large-scale space radiation experiments, 23:41105 (EUR-4289, pp 225-9)
 Neutral D-region chemistry following high-level ionization impulses, 23:44243 (AD-685602)
 Prog. rpt. on effects of STARFISH on geomagnetically trapped protons, final, 6/1/67--2/28/68, 23:44240 (AD-683341)
 LOCKHEED MISSILES AND SPACE CO., PALO ALTO, CALIF. RESEARCH LABS.
 Prog. rpt. on analysis of radiation data from Gemini 4 and Gemini 7 proton--electron spectrometer experiments, final, 6/13/67--12/30/68, 23:27444 (N-69-14773)
 LOCKHEED MISSILES AND SPACE CO., SUNNYVALE, CALIF.
 Design of isotope-heated catalytic oxidizer system, 23:2516 (N-68-11871)
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 Life support system for aerospace application utilizing radioisotopes for thermal energy, 23:4780 (LMSC-680679)
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 Low-temperature annealing of irradiated commercially pure titanium, 23:16501 (N-68-33385)
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 see Lockheed-Georgia Co., Marietta.
 Lockheed Palo Alto Research Lab., Lockheed Missiles and Space Co., Palo Alto, Calif.
 see Lockheed Missiles and Space Co., Palo Alto, Calif.
 Lockheed Palo Alto Research Lab.
 LOMA LINDA UNIV., CALIF.
 Prog. rpt. on effect of continuous gamma irradiation on growth of viruses, 5/15/68--5/14/69, 23:29906 (SAN-733-2)
 LONDON UNIV. (ENGLAND).
 Estimation of the distribution of energy loss of ionizing radiation from observations of the initial recombination of the ions in a gas, 23:20080 (CERN-69-1)
 Measurement of average neutron capture cross-sections in the mass region above 100, 23:1877 (NP-17644)
 Studies of the liquid state using the inelastic scattering of slow neutrons, 23:10906 (AERE-R-5867)
 London Univ., England. Birbeck Coll.
 see Birbeck Coll., London (England).
 London Univ. (England). Queen Mary Coll.
 see Queen Mary Coll., London (England).
 LONG ISLAND LIGHTING CO., MINEOLA, N.Y.
 Shoreham Nuclear Power Station, Unit 1 preliminary safety analysis report, Amend. 3, 23:17163 (DOCKET-50322-7)
 Shoreham Nuclear Power Station, Unit 1 preliminary safety analysis report, Amend. 4, Vol. 2, 23:31118 (DOCKET-50322-10)
 Shoreham Nuclear Power Station, Unit 1 preliminary safety analysis report, Amend. 4, Vol. 1, 23:31117 (DOCKET-50322-9)
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 Shoreham Nuclear Power Station, Unit 1 preliminary safety analysis report, Amend. 7, 23:43133 (DOCKET-50322-13)
 LONG ISLAND UNIV., GREENVALE, N.Y. C.W. POST COLL.
 Conference on Σ^2 Cf, New York City, 10/68, 23:31478 (CONF-681032)
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 1965 ARPA--AEC joint lightning study at Los Alamos. III, 23:43238 (LA-3756)
 1969 status report on Omega west reactor, with revised safety analysis, 23:40393 (LA-4192)
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Prog. rpt. on controlled thermonuclear research, annual, 10/68, 23:14739 (LA-4075)

Prog. rpt. on medium energy physics, quarterly, 1/31/69, 23:30854 (LA-4118)

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 see Munich Univ. (West Germany).
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M

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 see Johns Hopkins Univ., Baltimore, Md. McCollum-Pratt Inst.
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 Prog. rpt. on effects of radiation on alkali azides using electron spin resonance techniques, final, 3/31/69, 23:30618 (NYO-3681-3)
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 MAINZ UNIV. (WEST GERMANY). INSTITUT FUER ANORGANISCHE CHEMIE UND KERNCHEMIE.
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 Manhattan District. Argonne National Lab., Chicago.
 see Argonne National Lab., Ill.
 Manhattan District. Knolls Project.
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 Manhattan District. Los Alamos Scientific Lab., N. Mex.
 see Los Alamos Scientific Lab., N. Mex.
 MANUFACTURE BELGE DE LAMPES ET DE MATERIEL ELECTRONIQUE, BRUSSELS.
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 Prog. rpt. on applications of light scattering to plasma diagnostics, 1968, 23:10607 (TID-24891)
 Prog. rpt. on experimental and theoretical study of structure of nuclei and interactions of intermediate energy particles, 10/67, 23:5946 (ORO-3765-1)
 MARYLAND UNIV., COLLEGE PARK. DEPT. OF CHEMISTRY.
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- MASSACHUSETTS GENERAL HOSPITAL, BOSTON. PHYSICS RESEARCH LAB.
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- MASSACHUSETTS INST. OF TECH., CAMBRIDGE. DEPT. OF GEOLOGY AND GEOPHYSICS.
Prog. rpt. on variations in isotopic abundances of strontium, calcium, and argon, annual, 1968, 23:7628 (MIT-1381-16)
- MASSACHUSETTS INST. OF TECH., CAMBRIDGE. DEPT. OF MECHANICAL ENGINEERING.
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- Massachusetts Inst. of Tech., Cambridge. Dept. of Mechanical Engineering. Fluid Mechanics Lab.
see Massachusetts Inst. of Tech., Cambridge. Fluid Mechanics Lab.
- MASSACHUSETTS INST. OF TECH., CAMBRIDGE. DEPT. OF METEOROLOGY.
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- MASSACHUSETTS INST. OF TECH., CAMBRIDGE. DEPT. OF PHYSICS.
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- Prog. rpt. on radium and mesothorium poisoning and dosimetry and instrumentation, annual, 5/68, 23:16287 (MIT-952-5(Pt.2))
- Prog. rpt. on radium and mesothorium poisoning and dosimetry and instrumentation techniques, annual, 5/68, 23:20081 (MIT-952-5(Pt.1))
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 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. HEAT TRANSFER LAB.
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 Mayo Graduate School of Medicine, Univ. of Minnesota, Rochester.
 see Minnesota Univ., Rochester. Mayo Graduate School of Medicine.
 MASSACHUSETTS INST. OF TECH., CAMBRIDGE. LAB. FOR NUCLEAR SCIENCE.
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 see also National Materials Advisory Board (NRC), Washington, D.C.
 MATERIALS RESEARCH LAB., INC., GLENWOOD, ILL.
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 MATHEMATICAL APPLICATIONS GROUP, INC., WHITE PLAINS, N.Y.
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 CENTRAL RESEARCH LABS.
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 Max-Planck-Gesellschaft zur Foerderung der Wissenschaften
 B. V., Frankfurt am Main. Gmelin Institut fuer Anorganische Chemie und Grenzgebiete. Zentralstelle fuer Atomkernenergie-Dokumentation.
 see Zentralstelle fuer Atomkernenergie-Dokumentation, Frankfurt am Main (West Germany).
 MAX-PLANCK-INSTITUT FUER CHEMIE, MAINZ (WEST GERMANY).

Beam position monitor for pulsed electron beam, 23:30847 (BMwF-FBK-69-10)
 MAX-PLANCK-INSTITUT FUER KERNPHYSIK, HEIDELBERG (WEST GERMANY).
 Analog transitions observed in $^3\text{Ca}(^3\text{He}, \alpha)$ reaction and spin assignments to ^2K levels, 23:21295 (ZFK-130, pp 108-9)
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 MEDICAL RESEARCH COUNCIL, HARWELL (ENGLAND).
 RADIOBIOLOGICAL RESEARCH UNIT.
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 Metal Research Inst., TNO, The Hague.
 see Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek, The Hague. Metaalinstituut.
 METROPOLITAN EDISON CO., READING, PA.
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- Prog. rpt. on Helios research program, 10/68, 23:5370 (ORO-2454-11)
- MIAMI UNIV., CORAL GABLES, FLA. HEMATOLOGY RESEARCH LAB.
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- MIAMI UNIV., FLA. INST. OF MARINE SCIENCE.
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- Prog. rpt. on ecological study of Biscayne Bay in vicinity of Turkey Point, 5/68--1/69, 23:29425 (TID-24951)
- Michigan Memorial Phoenix Project, Univ. of Michigan, Ann Arbor.
see Michigan Univ., Ann Arbor. Michigan Memorial Phoenix Project.
- MICHIGAN STATE UNIV., EAST LANSING.
Bibliography on centralized processing of fresh meat and poultry including radiation, 23:43926 (ORNL-IIC-20)
- Induced somatic mutations for interpreting floral development and inflorescence aging, 23:43721 (COO-1400-25)
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- Prog. rpt. on metal-amine solutions, annual, 9/67--9/68, 23:2259 (COO-958-13)
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- MICHIGAN STATE UNIV., EAST LANSING. DEPT. OF CHEMISTRY.
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- MICHIGAN STATE UNIV., EAST LANSING. DEPT. OF NATURAL SCIENCE.
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- MICHIGAN STATE UNIV., EAST LANSING. DEPT. OF PHYSICS.
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- MICHIGAN UNIV., ANN ARBOR.
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- Michigan Univ., Ann Arbor. Coll. of Literature, Science, and the Arts. Dept. of Physics.
see Michigan Univ., Ann Arbor. Dept. of Physics.
- MICHIGAN UNIV., ANN ARBOR. DEPT. OF ASTRONOMY.
Prog. rpt. on basic solar research, annual, 1--12/68, 23:27287 (AD-681369)
- MICHIGAN UNIV., ANN ARBOR. DEPT. OF CHEMISTRY.
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- MICHIGAN UNIV., ANN ARBOR. DEPT. OF HUMAN GENETICS.
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- MICHIGAN UNIV., ANN ARBOR. DEPT. OF NUCLEAR ENGINEERING.
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- MICHIGAN UNIV., ANN ARBOR. ELECTRON PHYSICS LAB.
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- MICHIGAN UNIV., ANN ARBOR. HIGH ALTITUDE ENGINEERING LAB.
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MICHIGAN UNIV., ANN ARBOR. MICHIGAN MEMORIAL PHOENIX PROJECT.

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 MICHIGAN UNIV., ANN ARBOR. SCHOOL OF PUBLIC HEALTH.
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 MIDDLESEX HOSPITAL, LONDON (ENGLAND). INST. OF NUCLEAR MEDICINE.

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 Milan. Centro Informazioni Studi Esperienze.
 see Centro Informazioni Studi Esperienze, Milan (Italy).

Milan. Politecnico.

see Politecnico di Milan (Italy).

Milan. Politecnico. Istituto di Fisica.

see Politecnico di Milano (Italy). Istituto di Fisica.

MILAN UNIV. (ITALY). ISTITUTO DI SCIENZE FISICHE.

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MILLSTONE POINT CO., WETHERSFIELD, CONN.

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Millstone Nuclear Power Station, Unit final safety analysis report, Amend. 15, 23:34855 (DOCKET-50245-15)

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Millstone Point Nuclear Power Station, Unit 1 preliminary design and analysis report, Vol. 1, 23:23817 (DOCKET-50245-12)

MILLETRON, INC., PITTSBURGH, PA.

Digital wide range neutron detection and measurement channel, 23:50118 (NYO-3738-15)

Ministère de la Santé Publique, Le Vesinet, France. Service Central de Protection Contre les Rayonnements Ionisants.
 see Service Central de Protection Contre les Rayonnements Ionisants, Le Vesinet (France).

Ministerio de Agricultura, Lima, Peru. Estacion Experimental Agricola de La Molina.
 see Estacion Experimental Agricola de La Molina, Lima (Peru).

Ministerio de Trabajo, Instituto Nacional de Prevision, Clinica Puerta de Hierro, Madrid, Spain.
 see Clinica Puerta de Hierro, Madrid (Spain).

MINISTRY OF AGRICULTURE, FISHERIES AND FOOD, LOWESTOFT (ENGLAND). FISHERIES RADIOBIOLOGICAL LAB.

Gross beta counting of environmental materials, 23:21936 (FRL-3)

MINISTRY OF CONSTRUCTION, TOKYO (JAPAN). BUILDING RESEARCH INST.

Earthquake resistant design for nuclear power plants, 23:32974 (CONF-681101-35)

Ministry of Defence, Bangkok, Thailand. Preserved Food Organization.

see Preserved Food Organization, Bangkok (Thailand).

MINISTRY OF INDUSTRY, BANGKOK (THAILAND). DEPT. OF SCIENCE.

Food preservation by Dept. of Science, Bangkok, 23:16448 (THAI-AEC-9, pp 1-4)

MINISTRY OF PUBLIC HEALTH, BANGKOK (THAILAND). RADIATION PROTECTION SERVICE.

Prog. rpt. on radiation protection, annual, 1967, 23:31795 (RPS-AR-1)

MINISTRY OF TRANSPORT, LONDON (ENGLAND).

Brittle fracture problems in relation to thick walled packaging, 23:565 (CONF-681001-, pp 245-52)

Competent authority: how is he coping, 23:547 (CONF-681001-, pp 1-13)

Minnesota Mining and Mfg. Co., St. Paul. Electrical Products Div. Isotope Power Lab.

see Minnesota Mining and Mfg. Co., St. Paul. Isotope Power Lab.

MINNESOTA MINING AND MFG. CO., ST. PAUL. ELECTRICAL PRODUCTS GROUP.

Prog. rpt. on deep sea radioisotope-fueled thermoelectric generator power supply, 7/1/68--9/30/68, 23:7695 (MMM-3691-39)

Prog. rpt. on deep sea radioisotope-fueled thermoelectric generator power supply system, 1--3/69, 23:35417 (MMM-3691-47)

Prog. rpt. on SNAP-21 Program, Phase II, 10--12/68, 23:19906 (MMM-3691-44)

Prog. rpt. on SNAP-21 program, Phase II, 4--6/69, 23:47711 (MMM-3691-52)

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MINNESOTA MINING AND MFG. CO., ST. PAUL. ISOTOPE POWER LAB.

Prog. rpt. on SNAP-21B program, phase I, final, 4/64--5/65, 23:24388 (MMM-3321-19)

MINNESOTA UNIV., MINNEAPOLIS.

Decontamination of food and water following nuclear attack, 23:50587 (CONF-671135-, pp 171-9)

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Prog. rpt. on chloroplast pigments in barley mutant, 1/6/69, 23:29433 (COO-332-6)

MINNESOTA UNIV., MINNEAPOLIS. COSMIC RAY GROUP.

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MINNESOTA UNIV., MINNEAPOLIS. DEPT. OF CHEMISTRY.

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MINNESOTA UNIV., MINNEAPOLIS. DEPT. OF ELECTRICAL ENGINEERING.

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MINNESOTA UNIV., MINNEAPOLIS. DEPT. OF MECHANICAL ENGINEERING.

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MINNESOTA UNIV., MINNEAPOLIS. HOSPITALS.

Prog. rpt. on investigations of ionic species in high pressure cesium discharges, annual, 3/68--2/69, 23:34397 (AD-683685)

Stable isotopes as biological tracers, 23:11964 (CONF-671111-, pp 501-14)

MINNESOTA UNIV., MINNEAPOLIS. INST. OF TECH.

Prog. rpt. on diffusion studies in liquid metal, annual, 6/16/68--6/15/69, 23:38955 (COO-841-18)

MINNESOTA UNIV., MINNEAPOLIS. JOHN H. WILLIAMS LAB. OF NUCLEAR PHYSICS.

Prog. rpt. on nuclear physics, annual, 1968, 23:1929 (COO-1265-67)

Williams Laboratory on-line computer system, 23:52038 (COO-1265-76)

MINNESOTA UNIV., MINNEAPOLIS. MEDICAL SCHOOL.

Prog. rpt. on regional circulation, annual, 12/9/68, 23:12143 (COO-1267-3)

MINNESOTA UNIV., MINNEAPOLIS. SCHOOL OF MINERAL AND METALLURGICAL ENGINEERING.

Prog. rpt. on a study of grain boundary segregation using auger electron emission technique, annual, 12/26/68, 23:12328 (COO-1778-1)

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see Missouri School of Mines and Metallurgy, Rolla.
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 Munich. Technische Hochschule. Institut fuer Mess- und Regelungstechnik.
 see Technische Hochschule, Munich (West Germany).
 Institut fuer Mess- und Regelungstechnik.
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 see Keuring van Electrotechnische Materialen, N. V., Arnhem (Netherlands).
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 see Samenwerkende Electriciteits-Productiebedrijven, N. V., Arnhem (Netherlands).
 Naamloze Vennootschap Samenwerkende Electriciteits-Productiebedrijven, Arnhem, Netherlands.
 see Samenwerkende Electriciteits-Productiebedrijven, N. V., Arnhem (Netherlands).
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- Prog. rpt. on radiation bio-effects, annual, 1967, 23:10045 (NP-17514)
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- National Commission of Atomic Energy, Buenos Aires.
- see Comision Nacional de Energia Atomica, Buenos Aires (Argentina).
- NATIONAL COMMITTEE FOR SPACE RESEARCH, HAIFA (ISRAEL).
- RADIO OBSERVATORY.
- Prog. rpt. on ionospheric research using satellites, annual, 2/68, 23:18500 (AD-670585)
- NATIONAL ENGINEERING LAB., GLASGOW (SCOTLAND).
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 NATIONAL INST. FOR RESEARCH IN NUCLEAR SCIENCE, CHILTON (ENGLAND). RUTHERFORD HIGH ENERGY LAB.
 see also Rutherford High Energy Lab., Chilton (England).
 NATIONAL INST. OF ARTHRITIS AND METABOLIC DISEASES, BETHESDA, MD.
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 National Inst. of Nuclear Physics, Milan.
 see Istituto Nazionale di Fisica Nucleare, Milan (Italy)
 NATIONAL INST. OF RADIOLOGICAL SCIENCES, CHIBA (JAPAN).
 Biochemistry and biophysics, 23:16224 (NIRS-7, pp 21-35)
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 Prog. rpt. on radiological sciences, 1967, 23:16223 (NIRS-7)
 Prog. rpt. on radiological sciences, annual, 1966, 23:933 (NIRS-6)
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 NATIONAL INST. OF RADIOLOGICAL SCIENCES, TOKYO (JAPAN).
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 NATIONAL INSTITUTES OF HEALTH, BETHESDA, MD.
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 National Institutes of Health. National Inst. of Arthritis and Metabolic Diseases, Bethesda, Md.
 see National Inst. of Arthritis and Metabolic Diseases, Bethesda, Md.
 NATIONAL LEAD CO. OF OHIO, CINCINNATI.
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 NATIONAL MATERIALS ADVISORY BOARD (NRC), WASHINGTON, D.C.
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 NATIONAL RADIATION LAB., CHRISTCHURCH (NEW ZEALAND).
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 Prog. rpt., annual, 1967, 23:7998 (NP-17624)
 Prog. rpt., annual, 1968, 23:50547 (NP-18025)
 National Reactor Testing Station, Idaho Nuclear Corp., Idaho Falls.
 see Idaho Nuclear Corp., Idaho Falls.
 National Research Council.
 see National Academy of Sciences-National Research Council, Washington, D. C.
 NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C. DIV. OF MEDICAL SCIENCES.
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 National Research Council, Washington, D.C. National Materials Advisory Board.
 see National Materials Advisory Board (NRC),

Washington, D.C.
 National Research Council. Committee on Nuclear Science.
 see National Academy of Sciences-National Research Council, Washington, D. C. Committee on Nuclear Science.
 NATIONAL RESEARCH COUNCIL OF CANADA, OTTAWA (ONTARIO).
 Prog. rpt. on observations of geomagnetically trapped protons and alpha particles with OGO-4, 12/68, 23:27429 (AD-681006)
 NATIONAL RESEARCH COUNCIL OF CANADA, OTTAWA (ONTARIO). DIV. OF RADIATION BIOLOGY.
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 NATIONAL SCIENCE FOUNDATION, WASHINGTON, D. C.
 Proceedings of seventh rare earth research conference, Coronado, Calif., Oct. 28-30, 1968, 23:8645 (CONF-681020-(Vol.1))
 Proceedings of seventh rare earth research conference, Coronado, Calif., Oct. 28-30, 1968, 23:8661 (CONF-681020-(Vol.2))
 National Univ., La Plata.
 see La Plata Universidad Nacional (Argentina).
 NAVAL AEROSPACE MEDICAL INST., PENSACOLA, FLA.
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- Hematological response in sheep given protracted exposures to ^{60}Co gamma radiation, 23:33826 (AD-684436)
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- NEBRASKA UNIV., LINCOLN. BEHLEN LAB. OF PHYSICS.
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- NEBRASKA UNIV., LINCOLN. DEPT. OF AGRONOMY.
- Mutation studies involving quantitative traits, 23:12048 (COO-1512-11)
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- NEBRASKA UNIV., LINCOLN. DEPT. OF CHEMISTRY.
- Prog. rpt. on halogen atom reactions activated by radiative neutron capture and /sup 82m/Br and /sup 130m/I isomeric transition, 2/68--2/69, 23:13800 (COO-1617-13)
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- NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK, DELFT.
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- NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK, THE HAGUE.
- METAALINSTITUUT.
- Prog. rpt. on embrittlement in steel using small specimens in particular with respect to irradiation, 1--6/68, 23:12373 (EURAC-2057)
- NERATOOM, N. V., THE HAGUE (NETHERLANDS).

Stainless plating of heavy-gauge steels, 23:36028 (EURAE-2093)

Netherlands. Gezondheidsorganisatie, TNO. Radiobiologisch Instituut, Rijswijk.
see Gezondheidsorganisatie TNO, Rijswijk (Netherlands). Radiobiologisch Instituut.

Netherlands. Instituut voor Toepassing van Atoomenergie in de Landbouw, Wageningen.
see Instituut voor Toepassing van Atoomenergie in de Landbouw, Wageningen (Netherlands).

Netherlands. Reactor Centrum, The Hague.
see Reactor Centrum Nederland, The Hague.

Netherlands. TNO, Delft.
see Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek, Delft.

NEURO-RESEARCH FOUNDATION, INC., BROOKLINE, MASS.
Application of gamma-ray diffusion theory to radiation dosimetry, 23:38568 (AD-686511)

NEVADA OPERATIONS OFFICE (AEC), LAS VEGAS.
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Nevis Labs., Columbia Univ., Irvington-on-Hudson, N. Y.
see Columbia Univ., Irvington-on-Hudson, N. Y. Nevis Labs.

NEW BRUNSWICK LAB. (AEC), N. J.
Prog. rpt., annual, 7/67--6/68, 23:37873 (NBL-247)

NEW ENGLAND DEACONESS HOSPITAL, BOSTON, MASS. CANCER RESEARCH INST.
Prog. rpt. on carcinogenesis and chromosome studies, 10/68--4/69, 23:38523 (NYO-4052-1)

NEW ENGLAND INST. FOR MEDICAL RESEARCH, RIDGEFIELD, CONN.
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NEW ENGLAND MEDICAL CENTER HOSPITALS, BOSTON, MASS.
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NEW HAMPSHIRE UNIV., DURHAM.
Prog. rpt. on DNA, RNA, and protein studies in chloroplasts of Acetabularia, final, 2/26/68, 23:2160 (NYO-3354-3)

NEW HAMPSHIRE UNIV., DURHAM. DEPT. OF PHYSICS.
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NEW JERSEY STATE DEPT. OF HEALTH, WEST ORANGE. RADIUM RESEARCH PROJECT.
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Prog. rpt. on epidemiological follow-up of Ra cases, final, 11/57--6/67, 23:10098 (NYO-2181-5(Vol.2))

NEW MEXICO HIGHLANDS UNIV., LAS VEGAS.
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NEW MEXICO STATE UNIV., LAS CRUCES.
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NEW MEXICO UNIV., ALBUQUERQUE.
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NEW MEXICO UNIV., ALBUQUERQUE. BUREAU OF ENGINEERING RESEARCH.
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NEW MEXICO UNIV., ALBUQUERQUE. DEPT. OF NUCLEAR ENGINEERING.
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NEW SOUTH WALES UNIV., KENSINGTON (AUSTRALIA). DEPT. OF NUCLEAR AND RADIATION CHEMISTRY.

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NEW SOUTH WALES UNIV., KENSINGTON (AUSTRALIA). SCHOOL OF MINING ENGINEERING.
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NEW YORK MEDICAL COLL., N.Y.
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NEW YORK OPERATIONS OFFICE (AEC), N. Y. HEALTH AND SAFETY LAB.
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Prog. rpt. on fallout program, 7/69, 23:35706 (HASL-210(App.))
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NEW YORK STATE ATOMIC AND SPACE DEVELOPMENT AUTHORITY, NEW YORK.
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NEW YORK STATE DEPT. OF HEALTH, ALBANY.
Localization of antibodies in spontaneous and induced tumors, 23:45162 (NYO-2651-21)
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NEW YORK STATE DEPT. OF HEALTH, ALBANY. BUREAU OF RADIOLOGICAL HEALTH SERVICES.
Western New York Nuclear Service Center environmental survey, 23:29473 (NP-17860)

NEW YORK STATE ELECTRIC AND GAS CORP., BINGHAMTON.
Bell Station preliminary safety analysis report, Amend. 1, Pt. B, 23:4132 (DOCKET-50319-5)
Bell Station preliminary safety analysis report, Amend. 1, Pt. A, 23:4131 (DOCKET-50319-4)
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Bell Station preliminary safety analysis report, Amend. 4, 23:19429 (DOCKET-50319-8)

New York State Univ., Albany. Research Foundation.
see State Univ. of New York, Albany. Research Foundation.

New York. State Univ., Brooklyn. Downstate Medical Center.
see State Univ. of New York, Brooklyn. Downstate Medical Center.

New York. State Univ., Buffalo. Western New York Nuclear

- Research Center, Inc.
see Western New York Nuclear Research Center, Inc.,
Buffalo.
- NEW YORK STATE VETERINARY COLL., ITHACA. DEPT. OF PHYSICAL BIOLOGY.
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- NEW YORK UNIV., N. Y.
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- NEW YORK UNIV., N. Y. AEC COMPUTING AND APPLIED MATHEMATICS CENTER.
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- New York Univ., N. Y. Atomic Energy Commission Computing and Applied Mathematics Center.
see New York Univ., N. Y. AEC Computing and Applied Mathematics Center.
- NEW YORK UNIV., N. Y. COURANT INST. OF MATHEMATICAL SCIENCES.
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- New York Univ., N. Y. Dept. of Meteorology and Oceanography. Geophysical Sciences Lab.
see New York Univ., N. Y. Geophysical Sciences Lab.
- NEW YORK UNIV., N. Y. DEPT. OF PHYSICS.
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- New York Univ., N. Y. Dept. of Physics. Radiation and Solid State Lab.
see New York Univ., N. Y. Radiation and Solid State Lab.
- NEW YORK UNIV., N. Y. GEOPHYSICAL SCIENCES LAB.
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- NEW YORK UNIV., N. Y. INST. OF ENVIRONMENTAL MEDICINE.
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- NEW YORK UNIV., N. Y. MEDICAL CENTER.
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- New York Univ., N. Y. Medical Center. Inst. of Environmental Medicine.
see New York Univ., N. Y. Inst. of Environmental Medicine.
- NEW YORK UNIV., N. Y. RADIATION AND SOLID STATE LAB.
Prog. rpt. on the interaction of radiation with matter, final, 12/67, 23:7102 (NYO-2962-7)
- NEW YORK UNIV., N. Y. SCHOOL OF ENGINEERING AND SCIENCE.
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- NEW YORK UNIV., N. Y. SCHOOL OF MEDICINE.
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- New Zealand. Inst. of Nuclear Sciences, Lower Hutt.
see Institute of Nuclear Sciences, Lower Hutt (New Zealand).
- New Zealand. National Radiation Lab., Christchurch.
see National Radiation Lab., Christchurch (New Zealand).
- NEWCASTLE UNIV. (AUSTRALIA). DEPT. OF PHYSICS.
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- NIAGARA MOHAWK POWER CORP., SYRACUSE, N. Y.
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Nine Mile Point Nuclear Station final safety analysis report, Amend. 2, Vol. 1, Exhibit D-2, 23:17150 (DOCKET-50220-9)
Nine Mile Point Nuclear Station final safety analysis report, Amend. 11, Suppl. 6, Exhibit D-8, 23:19414 (DOCKET-50220-22)
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- NIELS BOHR INSTITUTET, COPENHAGEN (DENMARK).
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- NIHON UNIV., TOKYO. DEPT. OF PHYSICS.
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- NIJMEGEN UNIV. (NETHERLANDS).
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- NIIPPON ATOMIC INDUSTRY GROUP, KAWASAKI, KANAGAWA PREFECTURE. RESEARCH LAB.
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- NIIPPON SEIKO KABUSHIKI KAISHA, TOKYO.
Testing of feasibility of ball bearings in liquid sodium environments, 23:46036 (ANL-7520(Pt.2), pp 121-9)
- Nordic Inst. for Theoretical Atomic Physics, Copenhagen.

see Nordisk Institut for Teoretisk Atomfysik, Copenhagen (Denmark).
 NORDISK INSTITUT FOR TEORETISK ATOMFYSIK, COPENHAGEN (DENMARK).
 Conference on solid state, Copenhagen, Denmark, 8/68, 23:10701 (CONF-680819-(Vols.1 and 2))
 Dynamics of elementary particles and pion--nucleon interaction, Course B, 23:1606
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 Projected deformed states and anharmonic vibration in spherical nuclei, 23:21378 (ZFK-130, pp 179-81)
 NORDITA.
 see Nordisk Institut for Teoretisk Atomfysik, Copenhagen (Denmark).
 NORTH AMERICAN AVIATION, INC., LOS ANGELES, CALIF.
 see also North American Rockwell Corp., Los Angeles, Calif.
 North American Aviation, Inc. Atomics International Div., Canoga Park, Calif.
 see Atomics International, Canoga Park, Calif.
 NORTH AMERICAN CARBON, INC., COLUMBUS, OHIO.
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 North Atlantic Treaty Organization, Paris. Advisory Group for Aerospace Research and Development.
 see Advisory Group for Aerospace Research and Development, Paris (France).
 NORTH CAROLINA STATE COLL., RALEIGH.
 see also North Carolina State Univ., Raleigh.
 NORTH CAROLINA STATE UNIV., RALEIGH.
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 Prog. rpt. on northward migration of citrus by means of radiation-induced mutation, 10/68--6/69, 23:41279 (ORO-2909-8)
 Prog. rpt. on physics, annual, 1968, 23:19254 (ORO-3624-7)
 Prog. rpt. on radiation genetics and radiation resistance in peanuts, 11/1/66--6/30/69, 23:41278 (ORO-1747-15)
 North Carolina State Univ., Raleigh. Dept. of Electrical Engineering. Semiconductor Device Lab.
 see North Carolina State Univ., Raleigh. Semiconductor Device Lab.
 NORTH CAROLINA STATE UNIV., RALEIGH. DEPT. OF NUCLEAR ENGINEERING.
 Prog. rpt. on effect of radiation and gas concentration on rare gas diffusion in solids, annual, 1968, 23:12413 (ORO-3508-4)
 NORTH CAROLINA STATE UNIV., RALEIGH. INST. OF STATISTICS.
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 NORTH CAROLINA STATE UNIV., RALEIGH. SCHOOL OF ENGINEERING.
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 Monticello Nuclear Generating Plant, Unit 1 facility description and safety analysis report, Pt. B, Vol. 1, 23:4114 (DOCKET-50263-7)
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 NORTHROP CORPORATE LABS., HAWTHORNE, CALIF. LIFE SCIENCES LAB.
 Prog. rpt. on effects of rate of delivery of ionizing radiation on LD50/30 of rodents, final, 11/15/66--11/15/67, 23:38764 (AD-677185)

NORTHWESTERN UNIV., EVANSTON, ILL.

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NORTHWESTERN UNIV., EVANSTON, ILL. DEPT. OF CHEMISTRY.

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NORTHWESTERN UNIV., EVANSTON, ILL. DEPT. OF MATERIALS SCIENCE.

Prog. rpt. on radiation damage resulting from electron bombardment, final, 4/68--6/69, 23:41681 (COO-1161-6)

NORTHWESTERN UNIV., EVANSTON, ILL. GAS DYNAMICS LAB.

Dynamic viscosity of atmospheric Ar from 3500 to 8500 degrees Kelvin, 23:1254 (AD-670530)

NORTHWESTERN UNIV., EVANSTON, ILL. TECHNOLOGICAL INST.

Interaction of glide dislocations with interstitials and lattice vacancies, 23:12372 (COO-1367-22)

NORTONICS, NEWBURY PARK, CALIF. APPLIED RESEARCH DEPT.

Impurity effects in neutron-irradiated silicon and germanium. final report, 23:32556 (AD-476458)

Norway. Forsvarets Forskningsinstitutt, Kjeller.

see Forsvarets Forskningsinstitutt, Kjeller (Norway).

Norway. Institutt for Atomenergi, Kjeller.

see Institutt for Atomenergi, Kjeller (Norway).

Norway. Institutt for Atomenergi. OECD Halden Reaktor

Prosjekt.

see Institutt for Atomenergi, Halden (Norway). OECD Halden Reaktor Prosjekt.

Norway. Statens Radiologisk-Fysiske Laboratorium, Oslo.

see Statens Radiologisk-Fysiske Laboratorium, Oslo (Norway).

NOTRE DAME UNIV., IND.

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Prog. rpt. on interaction of photons and particles with nuclei, annual, 11/68--10/69, 23:47039 (COO-427-93)

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NOTRE DAME UNIV., IND. DEPT. OF PHYSICS.

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NOTRE DAME UNIV., IND. RADIATION LAB.

Bibliography on radiation chemistry of aqueous solutions. I, 23:47456 (COO-38-641)

Bibliography on the radiation chemistry of alcohols and phenols, 23:6147 (COO-38-643)

Bibliography on the radiation chemistry of alkanes, 23:33205 (COO-38-661)

Thesaurus for radiation chemistry, 23:4644 (COO-38-621)

Thesaurus for radiation chemistry, 23:45305 (COO-38-621(Rev.))

Noyes Lab. of Chemical Physics, California Inst. of Tech., Pasadena.

see California Inst. of Tech., Pasadena. Arthur A. Noyes Lab. of Chemical Physics.

NUCLEAR-CHICAGO CORP., DES PLAINES, ILL.

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NUCLEAR CROSS SECTIONS ADVISORY COMMITTEE (AEC).

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NUCLEAR CROSS SECTIONS ADVISORY GROUP (AEC).

see also See also Nuclear Cross Sections Advisory Committee.

see also See also Nuclear Cross Sections Advisory Committee.

Nuclear Defense Lab., Edgewood Arsenal, Md.

see Army Nuclear Defense Lab., Edgewood Arsenal, Md.

NUCLEAR DESIGN AND CONSTRUCTION LTD., WHETSTONE (ENGLAND).

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NUCLEAR DIODES, INC., PRAIRIE VIEW, ILL.

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Nuclear Energy Commission, Santiago, Chile.

see Comision Chilena de Energia Nuclear, Santiago.

NUCLEAR FUEL SERVICES, INC., WEST VALLEY, N.Y.

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West Valley Reprocessing Plant final safety analysis

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West Valley Reprocessing Plant: provisional operating license No. CSF-1, 23:28947 (DOCKET-50201-10)

West Valley Reprocessing Plant: quarterly report, 4--6/69, 23:40803 (DOCKET-50201-15)

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NUCLEAR MATERIALS AND EQUIPMENT CORP., APOLLO, PA.

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NUCLEAR MATERIALS AND EQUIPMENT CORP., LEECHBURG, PA. PLUTONIUM LAB.

Prog. rpt. on development and testing of PuO_2 -- UO_2 fast reactor fuels, 7--9/68, 23:31166 (NUMEC-3524-58)

Prog. rpt. on development and testing of PuO_2 -- UO_2 fast reactor fuels, 1--3/68, 23:51089 (NUMEC-3524-50)

Prog. rpt. on testing of PuO_2 -- UO_2 fuels, 10--12/67, 23:10298 (NUMEC-3432-41)

Nuclear Materials and Equipment Corp., Leechburg, Pa.

Research and Development Div. Plutonium Lab.

see Nuclear Materials and Equipment Corp., Leechburg, Pa. Plutonium Lab.

NUCLEAR MEDICINE INST., CLEVELAND, OHIO.

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Nuclear Physics Lab., Oxford Univ.

see Oxford Univ. (England). Nuclear Physics Lab.

NUCLEAR POWER GROUP, KNUSTSFORD (ENGLAND).

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Nuclear Research Center "Democritus," Athens.

see Democritus Nuclear Research Center, Athens (Greece).

Nuclear Research Center, Euratom, Ispra, Italy.

see European Atomic Energy Community, Ispra (Italy). Joint Nuclear Research Center.

NUCLEAR TECHNOLOGY CORP., WHITE PLAINS, N. Y.

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NUCLEAR UTILITY SERVICES, INC., WASHINGTON, D. C.

see also NUS Corp., Washington, D. C.

NUKEM.

see Nuklear-Chemie und -Metallurgie G.m.b.H., Wolfgang bei Hanau (West Germany).

NUKLEAR-CHEMIE UND-METALLURGIE G.M.B.H., WOLFGANG BEI HANAU (WEST GERMANY).

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NUKLEARNI INSTITUT JOZEF STEFAN, LJUBLJANA (YUGOSLAVIA).

Absorption of gamma rays in fluorine and nitrogen, 23:10941 (NIJS-R-533)

Conference on electronics in medicine, Ljubljana, Yugoslavia, 10/68, 23:43620 (CONF-681063)

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O

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- 193-8)
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 OECD.
 see Organization for Economic Co-operation and Development, Paris (France).
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 see Institutt for Atomenergi, Halden (Norway). OECD Halden Reaktor Projekt.
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 OESTERREICHISCHE STUDIENGESSELLSCHAFT FÜR ATOMENERGIE
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 Focusing characteristics of electric fields, 23:52047 (LIB/Trans-215)
 Investigation of uptake of trace metals in normal and leukemic cells, 23:48088 (SGAE-BL-32/1969)
 Neutron--proton surface delta residual interactions in spherical nuclei of odd mass number, 23:47044 (SGAE-PH-77/1968)
 New Ge(Li)-spectrometer for determination of burn-up of reactor fuel elements, 23:17785 (BLG-425, Paper 5)
 Regulation of the synthesis of different nucleic acids within the cell cycle and the influence of irradiation on this system, 23:6353 (SGAE-BL-29/1968)
 OESTERREICHISCHE STUDIENGESSELLSCHAFT FÜR ATOMENERGIE
 G.M.B.H., SEIBERSDORF. ELEKTRONIKINSTITUT.
 CAMAC crate control for a PDP8 and a CAMAC 24 bit counter, 23:41128 (EUR-4289, pp 391-4)
 Operational pulse amplifier with FET input, 23:41097 (EUR-4289, pp 81-4)
 OESTERREICHISCHE STUDIENGESSELLSCHAFT FÜR ATOMENERGIE
 G.M.B.H., SEIBERSDORF. INSTITUT FÜR BIOLOGIE UND LANDWIRTSCHAFT.
 Influence of degradation products of irradiated glucose solutions on human fibroblasts. I, 23:29345 (SPR-10)
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 OESTERREICHISCHE STUDIENGESSELLSCHAFT FÜR ATOMENERGIE
 G.M.B.H., SEIBERSDORF. INSTITUT FÜR METALLURGIE.
 Dendritic growth of Mo, Nb, and Ta on deposition from gas phase, 23:33995 (SGAE-M-22/1968)
 Noble gas diffusion in light metals, 23:18211 (SGAE-M-20/1968)
 OESTERREICHISCHE STUDIENGESSELLSCHAFT FÜR ATOMENERGIE
 G.M.B.H., SEIBERSDORF. INSTITUT FÜR REAKTORTECHNIK.
 Dynamics of heat transfer by means of gases through pipes and ducts, 23:38164 (SGAE-RT-20/1969)
 Investigations of dynamics of heat transfer, 1968, 23:47702 (SGAE-RT-19/1968)
 OESTERREICHISCHE STUDIENGESSELLSCHAFT FÜR ATOMENERGIE
 G.M.B.H., SEIBERSDORF. INSTITUT FÜR STRAHLENSCHUTZ.
 Radiation measurements crews (measurement equipment), 23:20211 (CONF-680507-, pp 614-22)
 OESTERREICHISCHE STUDIENGESSELLSCHAFT FÜR ATOMENERGIE
 G.M.B.H., SEIBERSDORF. LANDWIRTSCHAFTLICHE FORSCHUNGSABT.
 Action of ionizing radiation on barley, 23:50927 (SGAE-LA-1/1969)
 OESTERREICHISCHE STUDIENGESSELLSCHAFT FÜR ATOMENERGIE
 G.M.B.H., SEIBERSDORF. MATHEMATIKABT.
 STRA flux calculations with large scale computer programs, 23:37617 (SGAE-R-3/1968)
 OESTERREICHISCHE STUDIENGESSELLSCHAFT FÜR ATOMENERGIE
 G.M.B.H., SEIBERSDORF. PHYSIK-INSTITUT.
 Bombardment of pyrolytic C with noble gas ions in energy range of 10 to 45 keV, 23:44151 (SGAE-PH-83/1969)
 Electrostatic spectrometer for measuring the proton

recoil spectrum in neutron beta decay, 23:33471 (AD-680817)
 Investigation of the transfer rates of electromagnetic transitions by measurement of the lifetimes of excited energy levels after neutron capture, 23:28302 (SGAE-PH-78/1968)
 Measurement of angular correlation coefficient in neutron decay, 23:44585 (AD-685789)
 Off-Site Radiological Safety Organization, Public Health Service, Las Vegas, Nev.
 see Public Health Service, Las Vegas, Nev.
 OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES, CHATILLON-SOUS-BAGNEUX (FRANCE).
 Conductivity and velocity of a plasma accelerated by a medium-frequency electromagnetic field, 23:18625 (CONF-680113-(Vol.2), pp 727-41)
 Office of Aerospace Research. Aerospace Research Labs., Wright-Patterson AFB, Ohio.
 see Aerospace Research Labs., Wright-Patterson AFB, Ohio.
 Office of Aerospace Research. Air Force Cambridge Research Labs., L. G. Hanscom Field, Mass.
 see Air Force Cambridge Research Labs., L. G. Hanscom Field, Mass.
 OFFICE OF ATOMIC ENERGY FOR PEACE, BANGKOK (THAILAND).
 Certain accounts on the utilization of the Thai Research Reactor, 23:23975 (THAI.-AEC-10)
 Conference on food irradiation, Bangkok, Thailand, 9/6/66, 23:16447 (THAI.-AEC-9)
 Determination of Mn, Cu, Zn, Fe, and Mo in animal blood sample by activation analysis, 23:28746 (THAI.-AEC-22)
 Experiences in neutron dosimetry, 23:29232 (THAI.-AEC-23)
 Neutron activation analysis of Au in teak, 23:28745 (THAI.-AEC-17)
 Nuclear instrument development, 23:29253 (THAI.-AEC-6)
 Prog. rpt. on health physics, 1968, 23:29506 (THAI.-AEC-21)
 Radiation preservation of bananas, 23:16450 (THAI.-AEC-9, pp 19)
 Radiation preservation of limes and mangoes, 23:16449 (THAI.-AEC-9, pp 6-18)
 Radiation safety manual, 23:29544 (THAI.-AEC-1(Rev.1))
 Radiation, insects, and food preservation, 23:16452 (THAI.-AEC-9, pp 23-5)
 Some aspects of taste panel evaluation of irradiated fish, 23:16451 (THAI.-AEC-9, pp 20-2)
 OFFICE OF CIVIL DEFENSE, WASHINGTON, D. C.
 Conference on postattack recovery from nuclear war, Fort Monroe, Va., 11/67, 23:50578 (CONF-671135)
 Emergency radiation exposure control, 23:20206 (CONF-680507-, pp 517-37)
 Radiation protection design in buildings, 23:20212 (CONF-680507-, pp 623-8)
 OFFICE OF EMERGENCY PLANNING, WASHINGTON, D.C.
 Conference on postattack recovery from nuclear war, Fort Monroe, Va., 11/67, 23:50578 (CONF-671135)
 Evaluating and distributing surviving postattack assets, 23:50596 (CONF-671135-, pp 291-5)
 Example attacks, 23:50579 (CONF-671135-, pp 9-20)
 Office of Nuclear Energy Development, Dept. of Commerce and Economic Development, Olympia, Wash.
 see Washington State Office of Nuclear Energy Development, Olympia.
 OFFICE OF SAFEGUARDS AND MATERIALS MANAGEMENT (AEC), WASHINGTON, D.C.
 Research and development for safeguards, 23:19924 (WASH-1122)
 Safeguards and nuclear materials management, 23:50095 (WASH-1141)
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 OFFICE OF SALINE WATER, WASHINGTON, D. C.
 Conceptual design studies of dual-purpose and vapor-compression water-only 750-Mgd plant, 23:9178 (K-D-2122)
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 First VTE pilot plant report, 7/1/67, 23:9514 (TID-24867)
 Prog. rpt. on thermal neutron scattering measurements in water, 5/69, 23:49298 (NP-17997)
 OFFICE OF SCIENCE AND TECHNOLOGY, WASHINGTON, D.C.
 Considerations affecting steam power plant site selections, 23:15658 (TID-24936)
 OFFICE OF THE ASSISTANT GENERAL MANAGER FOR REACTORS (AEC), WASHINGTON, D. C.
 Nuclear reactors built, being built, or planned in U. S. as of 12/31/68, 23:13416 (TID-8200(19th Rev.))
 Nuclear reactors built, being built, or planned in US as of June 30, 1969, 23:43086 (TID-8200(20th Rev.))
 OFFICE OF THE CHIEF OF ENGINEERS, WASHINGTON, D. C.
 Postattack viability of United States, 1975, 23:50593 (CONF-671135-, pp 231-42)
 OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER, WOOSTER.
 Prog. rpt. on detailed characterization of soil and vegetation for future evaluation of effect of radioactive contamination, 3/1/68--11/26/68, 23:7627 (COO-414-8)

OHIO STATE UNIV., COLUMBUS.

Primary productivity and limiting factors in four freshwater ponds on Amchitka Island, Alaska, 23:26710 (BML-171-117)

OHIO STATE UNIV., COLUMBUS. DEPT. OF CHEMICAL ENGINEERING.

Prog. rpt. on Knudsen and molecular diffusion of gases in capillaries, annual, 4/68--3/69, 23:7501 (COO-1675-5)

OHIO STATE UNIV., COLUMBUS. DEPT. OF CHEMISTRY.

Prog. rpt. on pulse radiolysis studies of fast reactions in molecular systems, annual, 8/19/69, 23:43338 (COO-1763-12)

OHIO STATE UNIV., COLUMBUS. DEPT. OF MECHANICAL ENGINEERING.

Prog. rpt. on analytical study of fluid cylinder arc model balanced by crossed magnetic and flow fields, final, 11/66--10/67, 23:12816 (AD-669354)

OHIO STATE UNIV., COLUMBUS. DEPT. OF METALLURGICAL ENGINEERING.

Conceptual cell for electrowinning liquid U, 23:22481 (NLCO-1033)

OHIO STATE UNIV., COLUMBUS. DEPT. OF PHYSICS.

Suppression of strangeness changing weak currents and the bootstrap equation, 23:32679 (COO-1545-56)

OHIO STATE UNIV. RESEARCH FOUNDATION, COLUMBUS.

Bibliography of solar proton events and related phenomena, 23:44096 (AD-685767)

Prog. rpt. on development of ferroelectric nuclear radiation detectors, 6/66--10/67, 23:607 (AD-671610)

Prog. rpt. on investigation of mixed conduction in solid electrolytes, annual, 12/68--11/69, 23:43288 (COO-1440-17)

Prog. rpt. on radiation on biology and population dynamics of cereal leaf beetle, 9/67--8/68, 23:11983 (COO-1429-4)

Prog. rpt. on study of radiation on biology and population dynamics of cereal leaf beetle, final, 9/1/68--1/31/69, 23:31886 (COO-1429-5)

OKLAHOMA UNIV., NORMAN.

University of Oklahoma Research Reactor: License No. R-53, Amend. 5, 23:40389 (DOCKET-50112-2)

University of Oklahoma Research Reactor: License R-53; organizational changes, 7/67--6/68, 23:40388 (DOCKET-50112-1)

OKLAHOMA UNIV., NORMAN. COLL. OF ENGINEERING.

Prog. rpt. on Nb--H and Nb--O systems and Type-II superconductors, final, 11/68, 23:51536 (ORO-2570-13)

OKLAHOMA UNIV. RESEARCH INST., NORMAN.

Residual stress measurements on thin electrodeposited films, 23:20501 (ORO-3401-10)

OLD DOMINION COLL., NORFOLK, VA.

Prog. rpt. on use of radioisotopes for studies on ecology of trick vectors of disease, 4/1/68--1/1/69, 23:9905 (ORO-3514-7)

OLIVE VIEW HOSPITAL, CALIF. DEPT. OF RADIOLOGY.

Lung perfusion and aerated space assessment by scintiscanning, 23:18055 (CONF-670958-, pp 281-309)

Scintiscanning and roentgenographic procedures in managing major pulmonary disorders, 23:2856 (UCLA-12-687)

OMAHA PUBLIC POWER DISTRICT, NEBR.

Fort Calhoun Station, Unit 1 description and safety analysis report, Vol. 2, Exhibit F, 23:7366 (DOCKET-50285-16)

Fort Calhoun Station, Unit 1 description and safety analysis report, Vol. 1, Exhibit F, 23:7365 (DOCKET-50285-15)

Pre-operational environmental radiation monitoring, 23:52248 (DOCKET-50285-21)

Pre-operational environmental survey, 1--3/69, 23:52246 (DOCKET-50285-19)

Pre-operational environmental survey, 10--12, 1968, 23:52245 (DOCKET-50285-18)

Pre-operational environmental survey, 4--6/69, 23:52247 (DOCKET-50285-20)

ONTARIO CANCER INST., TORONTO.

Stem cell function related to the repair of radiation damage, 23:20316 (BNL-50058, pp 161-8)

Symptomatic and haematological disturbance following total body radiation, 23:50891 (PHS-999-RH-33, pp 139-44)

OREGON STATE UNIV., CORVALLIS.

Detection of food-borne pathogens on Cl. botulinum, 23:18175 (CONF-681006-, pp 221-5)

Effect of radiation on the microbial flora surviving radiation pasteurization of seafoods, 23:18133 (CONF-681006-, pp 83-8)

Moments matching spectral method for slab transport problems, 23:47307 (CNM-R-2(Vol.2), pp 1099-1108)

Oregon State Univ. Research Reactor: license No. R-106, Amend. 2, 23:40390 (DOCKET-50243-1)

Prog. rpt. on nuclear chemistry, 3/69, 23:28301 (RLO-2060-1)

OREGON STATE UNIV., CORVALLIS. DEPT. OF BOTANY.

Prog. rpt. on role of naturally occurring quinones in photosynthesis, annual, 9/67--9/68, 23:7933 (RLO-1783-18)

OREGON STATE UNIV., CORVALLIS. DEPT. OF CHEMISTRY.

Prog. rpt. on a generalized acid-base phenomena in non-aqueous ionizing solvents with radioactive tracers, final, 7/69, 23:43292 (RLO-244-8)

Rare earth abundances in meteoritic chondrules, 23:16556 (N-68-34058)

OREGON STATE UNIV., CORVALLIS. DEPT. OF FOOD SCIENCE AND TECH.

Effect of irradiation on microbial flora surviving irradiation pasteurization of seafoods, 23:50966 (RLO-1950-3)

Prog. rpt. on effect of irradiation on the microbial flora surviving irradiation pasteurization of seafood, annual, 4/1/66--3/31/67, 23:2994 (TID-24171)

OREGON STATE UNIV., CORVALLIS. DEPT. OF OCEANOGRAPHY.

Behavior of four radionuclides in a marine benthic amphipod, 23:17901 (CONF-670503-, pp 450-61)

Metabolism of ^{65}Zn in Euphausiids, 23:17898 (CONF-670503-, pp 399-411)

Prog. rpt. on ecological studies of radioactivity in Columbia River estuary and Pacific Ocean, 7/67--6/68, 23:9906 (RLO-1750-28)

Radioisotope measurements of viscera of Pacific salmon, 23:17900 (CONF-670503-, pp 440-9)

Radiozinc decline in starry flounders, 23:18010 (CONF-670503-, pp 372-9)

Sediment radioactivity in Columbia River estuary, 23:18006 (CONF-670503-, pp 300-6)

Zinc-65 in marine environment off Oregon, 23:18011 (CONF-670503-, pp 380-8)

OREGON STATE UNIV., CORVALLIS. DEPT. OF PHYSICS.

Prog. rpt. on nuclear physics, annual, 7/31/69, 23:49394 (RLO-1062-691)

OREGON UNIV., EUGENE.

7416-keV 2^+ level in ^{28}Si and excited prolate rotational band, 23:39977 (RLO-1925-25)

OREGON UNIV., EUGENE. DEPT. OF BIOLOGY.

Prog. rpt. on uv microbeam studies on mitosis, 4/69, 23:50419 (RLO-2045-3)

OREGON UNIV., EUGENE. DEPT. OF PHYSICS.

Prog. rpt. on nuclear physics, annual, 5/31/69, 23:32904 (RLO-1925-20)

OREGON UNIV., EUGENE. INST. OF THEORETICAL SCIENCE.

Prog. rpt. on high-energy physics, annual, 1967--68, 23:3659 (RLO-2041-19)

OREGON UNIV., PORTLAND. DIV. OF EXPERIMENTAL MEDICINE.

Prog. rpt. on genetic alterations in human cells, 8/68--7/69, 23:41200 (RLO-581-32)

Prog. rpt. on genetic alterations in human cells, 8/67--7/68, 23:7932 (RLO-581-26)

Oregon Univ., Portland. Medical School. Div. of Experimental Medicine.

see Oregon Univ., Portland. Div. of Experimental Medicine.

Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek, Delft, Netherlands.

see Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek, Delft.

Organisation Europeenne de Recherches Spatiales, Alpbach, Austria.

see European Space Research Organization, Alpbach (Austria). Summer School.

Organisation Europeenne pour la Recherche Nucleaire, Geneva

see European Organization for Nuclear Research, Geneva (Switzerland).

ORGANIZATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT, PARIS (FRANCE).

Prog. rpt., annual, 1967--68, 23:9179 (NP-17696)

Organization for European Economic Co-operation. European Nuclear Energy Agency, Paris.

see European Nuclear Energy Agency, Paris (France).

Organization for Health Research, TNO, Rijswijk, Netherlands. Radiobiological Inst.

see Gezondheidsorganisatie TNO, Rijswijk (Netherlands) Radiobiologisch Instituut.

Orsted Inst., Univ. of Copenhagen, Denmark.

see Copenhagen Univ. (Denmark). H.C. Oersted Institut

OSAKA CITY UNIV. (JAPAN).

Electric and magnetic polarizability of nuclear particles, 23:40093 (KURRI-TR-12, pp 18-26)

OSAKA UNIV. (JAPAN).

Three problems related to γ transition, 23:37287 (KURRI-TR-10, pp 114-37)

OSAKA UNIV. (JAPAN). LAB. OF NUCLEAR STUDIES.

Excitation functions for (d,p) reactions on ^{86}Ru , ^{102}Ru , and ^{104}Ru , 23:19255 (OU-LNS-69-1)

Magnetic moments and β -decay ft values of mirror nuclei, 23:37292 (OU-LNS-69-4)

Prog. rpt. on nuclear studies, annual, 1967, 23:17107 (OU-LNS-68-1)

Prog. rpt., annual, 1--12/68, 23:42793 (OU-LNS-69-2)

Program to calculate the isomeric cross sections of (d,p) reactions, 23:13310 (OU-LNS-68-12)

Stroboscopic observation of larmor precession in nuclear excited states, 23:42962 (OU-LNS-69-3)

OSKARSHAMNSVERKET'S KRAFTGRUPP A.B., STOCKHOLM (SWEDEN).

New type of reactor containment of prestressed concrete.

23:31103 (CONF-681101-38)

OSLO UNIV. (NORWAY).

Protection of hospitals in case of nuclear fallout,

23:19919 (CONF-680507-, pp 393-7)

OSLO UNIV. (NORWAY). FYSISK INSTITUTT.

Single particle states in gadolinium nuclei, 23:21333 (ZFK-130, pp 83-91)

OSLO UNIV. (NORWAY). INST. FOR THEORETICAL PHYSICS.

Variational perturbation theory calculations, 23:18375 (AD-674295)

OSLO UNIV. (NORWAY). INSTITUTT FOR TEORETISK ASTROFYSIKK.
Papers presented at NORDIC astronomical meeting in Oslo,
6/68, 23:30201 (CONF-680650)
Program for determination of absorption in cosmological
important areas, 23:22852 (NP-17833)
Osterreichische Studiengesellschaft fur Atomenergie
G.m.b.H., Seibersdorf.
see Osterreichische Studiengesellschaft fuer
Atomenergie G.m.b.H., Seibersdorf.
OWENS VALLEY RADIO OBSERVATORY, PASADENA, CALIF.
Brightness distribution of extragalactic radio sources.
II, 23:44067 (AD-685252)
East-west Fourier transforms of polarization parameters
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One-dimensional polarization distributions over four
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Positions and Stokes parameters of seven OH emission
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Radio sources and elliptical galaxies, 23:44123 (AD-
679650)
OXFORD UNIV. (ENGLAND).
K-meson absorption, 23:19339 (RHEL/R-166, pp 129-40)
Oxford PEPR status and future development, 23:16152
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OXFORD UNIV. (ENGLAND). DEPT. OF NUCLEAR PHYSICS.
Present status of the isobaric multiplet mass equation,
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OXFORD UNIV. (ENGLAND). ENGINEERING LAB.
Transport theory for multi-component plasma, 23:27626
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OXFORD UNIV. (ENGLAND). MATHEMATICAL INST.
Prog. rpt., 1967--68, 23:16903 (NP-17744)
OXFORD UNIV. (ENGLAND). NUCLEAR PHYSICS LAB.
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P

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Nuclear Plant, Diablo Canyon Site, Unit 2 preliminary
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Pacific Northwest Lab., Battelle-Northwest, Richland, Wash.
see Battelle-Northwest, Richland, Wash. Pacific
Northwest Lab.
PACIFIC NORTHWEST RESEARCH FOUNDATION, SEATTLE, WASH.
Effects of ionizing radiation on testicular function of
man, 23:35915 (RLO-1780-24)
Prog. rpt. on effects of radiation on the testicular
function of man, annual, 1968, 23:2963 (RLO-1780-23)
Pacific Southwest Forest and Range Experiment Station,
Forest Service, Berkeley, Calif.
see Forest Service, Berkeley, Calif. Pacific Southwest
Forest and Range Experiment Station.
PADUA UNIV. (ITALY). ISTITUTO DI FISICA.
Chiral symmetry breaking, electromagnetism, and Cabibbo
angle, 23:25668 (CERN-69-7, pp 465-83)
PADUCAH GASEOUS DIFFUSION PLANT, KY.
Analytical procedures for uranium hexafluoride
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Demonstration fuel element shipping cask from laminated
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Demonstration fuel element shipping cask from laminated
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68, 23:33705 (KY-582)
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PAKISTAN INST. OF NUCLEAR SCIENCE AND TECHNOLOGY,
ISLAMABAD. HEALTH PHYSICS DIV.
Ion exchange properties of pinstech soil for the disposal
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PAKISTAN INST. OF NUCLEAR SCIENCE AND TECHNOLOGY,
ISLAMABAD. NUCLEAR PHYSICS DIV.
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- PARAMETRICS, INC., WALTHAM, MASS.
 see also Panametrics, Inc., Waltham Mass.
- PARIS UNIV. (FRANCE).
 3,55 GeV/c Kp elastic scattering near 180°, 23:23358 (CEA-R-3685)
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 Behavior of trivalent actinides and lanthanide elements in chloride solution, 23:40612 (CEA-R-3803)
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 Contribution to the study of the ionization and heating of gases by laser radiation, 23:23158 (CEA-R-3472)
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- PARIS UNIV. (FRANCE). FACULTE DES SCIENCES.
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- PARIS UNIV. (FRANCE). LABORATOIRE DE PHYSIOLOGIE GENERALE.
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- PARIS UNIV., ORSAY (FRANCE).
 Contribution to $\pi^+\pi^-$ inelastic scattering at incoming pion energies near 1 GeV, 23:39608 (CEA-R-3579)
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 Trends in electron scattering, 23:9007 (TID-24667, pp 93-112)
- Paris. Universite, Orsay. Ecole Normale Supérieure.
 Laboratoire de l'Accélérateur Linéaire.
 see Paris Univ., Orsay (France). Laboratoire de l'Accélérateur Linéaire.
- PARIS UNIV., ORSAY (FRANCE). FACULTE DES SCIENCES.
 Distribution, atmospheric transfer, and assessment of ^{85}Kr , 23:15973 (CEA-R-3591)
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- Paris Univ., Orsay, France. Faculté des Sciences.
 Laboratoire de Physique des Plasmas.
 see Paris Univ., Orsay (France). Laboratoire de Physique des Plasmas.
- PARIS UNIV., ORSAY (FRANCE). INSTITUT D'ELECTRONIQUE FONDAMENTALE.
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- PARIS UNIV., ORSAY (FRANCE). INSTITUT DE PHYSIQUE NUCLEAIRE.
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- PARIS UNIV., ORSAY (FRANCE). LABORATOIRE DE PHYSIQUE DES PLASMAS.
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- PARKE MATHEMATICAL LABS., INC., CARLISLE, MASS.
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- PARSONS AND WHITEMORE, INC., NEW YORK.
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- PASADENA FOUNDATION FOR MEDICAL RESEARCH, CALIF. DEPT. OF LASER BIOLOGY.
 Prog. rpt. on effect of laser energy on cells in tissue culture, annual, 1/6/69, 23:33803 (AD-680946)

Pelindaba. Atomic Energy Board, South Africa.
see Atomic Energy Board, Pelindaba, Pretoria (South Africa).

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK.
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Pennsylvania State Univ., University Park. Coll. of Engineering. Dept. of Electrical Engineering.
see Pennsylvania State Univ., University Park. Dept. of Electrical Engineering.

Pennsylvania State Univ., University Park. Coll. of Engineering. Dept. of Nuclear Engineering.
see Pennsylvania State Univ., University Park. Dept. of Nuclear Engineering.

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF BIOLOGY.
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PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF ELECTRICAL ENGINEERING.
Changes in the upper ionosphere during severe magnetic storms, 23:27445 (N-69-14803)
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PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF MATERIALS SCIENCE.
Bibliography on thermal expansion in intermetallic compounds, 23:32030 (NYO-3560-17)
Prog. rpt. on research on graphite, 12/20/68, 23:12387 (NYO-1710-80)

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF NUCLEAR ENGINEERING.
Prog. rpt. on the Pennsylvania State Univ. nuclear reactor facility, annual, 7/1/68--6/30/69, 23:52413 (NYO-1859-4)
Protective system design techniques for application in nuclear reactor plants. I, 23:47189 (NYO-3986-1(Vol.1))
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PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF ZOOLOGY.
Bibliography on radioecology, 23:9907 (TID-3915)

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. IONOSPHERE RESEARCH LAB.
Analog solutions of full wave differential equations, 23:44236 (AD-682489)
Bremsstrahlung in lower ionosphere, 23:51449 (AD-689458)
Computer solution of wave interaction equation, 23:44234 (AD-681774)
D-region parameters from continuous waves, low frequency, rocket propagation experiments during solar eclipse, final rpt., Pt. A, 23:44235 (AD-681885)
High-precision logarithmic amplifier using sampling techniques, 23:716 (AD-671150)
Ionospheric D-region parameters from blunt probe measurements during solar eclipse, final rpt., Pt. B, 23:34313 (AD-684322)
Partially reflected echoes from D-region of ionosphere, 23:27424 (AD-677328)
Prog. rpt. on ionospheric research, 9/1/63--11/30/68, 23:44239 (AD-683336)

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. MATERIALS RESEARCH LAB.
Prog. rpt. on nonlinear elastic and thermoelastic properties of high temperature materials, annual, 12/68, 23:11480 (NYO-3991-2)
Prog. rpt. on role of trapping processes in solid state radiation dosimetry, 1968--69, 23:16163 (NYO-3409-7)
Recent experiments on x-ray and uv dosimetry by means of nonluminescent crystals, 23:7819 (CONF-680920-- , pp 234-42)

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. PHYSIOLOGY LABS.
Intestinal absorption of radiiodine in rats exposed to hypoxia and food deprivation, 23:6346 (N-68-11141)

PENNSYLVANIA UNIV., PHILADELPHIA.
Determination of δ_{tag}^0 and δ_{tag}^1 from Chew--Low extrapolation, 23:36834 (NYO-2171-271)
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 $\omega\omega$ scattering information from $\pi N + \pi N$, 23:3711 (NYO-2171-250)
Unconventional models of weak interactions, 23:36891 (NYO-2171-277)

PENNSYLVANIA UNIV., PHILADELPHIA. DEPT. OF PHYSICS.
Minimum guidance program at University of Pennsylvania, 23:33516 (ANL-7515, pp 401-11)
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PHILLIPS PETROLEUM CO., IDAHO FALLS,

Prog. rpt. on high-energy physics, annual, 9/67--9/68, 23:8708 (NYO-2171-259)

PENNSYLVANIA UNIV., PHILADELPHIA. DEPT. OF RADIOLOGY.
Paramagnetic resonance in LiF, 23:7824 (CONF-680920-- , pp 317-21)
Supralinearity in LiF, 23:7827 (CONF-680920-- , pp 341-52)

PETER BENT BRIGHAM HOSPITAL, BOSTON, MASS.
Prog. rpt. on selective isotopic labeling of parathyroid gland, 9/65--6/66, 23:43808 (NYO-3442-15)
Prog. rpt. on study of transplantation of tissues in surgical research, annual, 6/16/68--6/15/69, 23:41258 (NYO-2265-15(Pt.1))
Prog. rpt. on transplantation of tissues and organs, annual, 6/16/67--6/15/68, 23:9835 (NYO-2265-14)

PETROLEUM CONSULTANTS, HOUSTON, TEX.
Evaluation of materials and techniques for cementing casing in large diameter drilled holes, 23:46153 (NVO-38-17)
Evaluation of Tuf concrete made with Lone Star cement, 23:41762 (NVO-38-18)

PHILADELPHIA ELECTRIC CO., PA.
Peach Bottom Atomic Power Station: operations report, 4/69, 23:45020 (DOCKET-50171-9)
Peach Bottom Atomic Power Station, Unit 1 final hazards summary report, Pt. C, Vol. 3, 23:19406 (DOCKET-50171-4)
Peach Bottom Atomic Power Station, Unit 1 final hazards summary report, Pt. C, Vol. 5, 23:19408 (DOCKET-50171-7)
Peach Bottom Atomic Power Station, Unit 1 final hazards summary report, Pt. C, Vol. 2, 23:19405 (DOCKET-50171-3)
Peach Bottom Atomic Power Station, Unit 1 final hazards summary report, Pt. C, Vol. 1, 23:19404 (DOCKET-50171-2)
Peach Bottom Atomic Power Station, Unit 1 final hazards summary report, Pt. C, Vol. 4, 23:19407 (DOCKET-50171-5)
Peach Bottom Atomic Power Station, Unit 1 preliminary safety analysis report, Pts. A and B, 23:19403 (DOCKET-50171-1)
Peach Bottom Atomic Power Station, Unit 1: monthly operations report, 6/69, 23:43028 (DOCKET-50171-8)
Peach Bottom Atomic Power Station, Unit 1: operations report, 7/69, 23:45021 (DOCKET-50171-10)
Prog. rpt. on reactor operation, 1/69, 23:19445 (TID-24960)

PHILCO CORP., NEWPORT BEACH, CALIF. AERONUTRONIC DIV.
see also Philco-Ford Corp., Newport Beach, Calif. Aeronutronic Div.

PHILCO-FORD CORP., NEWPORT BEACH, CALIF. AERONUTRONIC DIV.
Development of shear spinning technology for beryllium, 23:29985 (SC-R-69-1233)

PHILIPPINE ATOMIC ENERGY COMMISSION, MANILA.
Bibliography on nuclear magnetic resonance, 23:3556 (PAEC(A)IN-674)
Nuclear energy in Philippines, 23:9288 (PAEC(A)IN-631(Suppl.3))

PHILIPS GLOEILAMPENFABRIEKEN N. V., EINDHOVEN (NETHERLANDS). FORSCHUNGLABORATORIUM.
Electronic properties of compounds NdAl_2 , TbAl_2 , GdAl_2 , LaAl_2 , and YbAl_2 , 23:8663 (CONF-681020-(Vol.2), pp 833)
Magnetic properties of rare earth--indium compounds, 23:8650 (CONF-681020-(Vol.1), pp 91-103)

PHILLIPS PETROLEUM CO., IDAHO FALLS, IDAHO.
Infinite arrays in diffusive media, 23:19575 (CONF-680909-- , pp 84-91)

PHILLIPS PETROLEUM CO., IDAHO FALLS, IDAHO. ATOMIC ENERGY DIV.
ACOUST: digital program for acoustic triangulation of nuclear vessels, 23:9241 (IDO-17280)
Carolinas Virginia tube reactor (CVTR) in-plant testing project, 23:28521 (IDO-17258-H)
CDC 3100 computer as remote input/output terminal for UNIVAC 1108 computer system, 23:2693 (IDO-17259)
Classification and processing of reliability data from nuclear power plants, 23:15555 (HN-193)
Collection of reliability data at nuclear power plants, 23:25997 (HN-199)
CONTEMP-PS: code for predicting pressure-temperature history within pressure-suppression containment vessel 23:31184 (IDO-17252)
CVTR preliminary leakage rate test results, 23:1979 (IDO-17273)
Effect of human error and static component failure on engineered safety system reliability, 23:15656 (HN-194)
Ex-reactor heat transfer experiments simulating ETR fuel element geometry, 23:9639 (IN-1263)
Experimental results of reactor system blowdown and core heat transfer tests, 23:15653 (CONF-680832-6)
Fault tree analysis of PBF transient rod drive system, 23:9195 (IDO-17274)
Fission product behavior analytical development program, 23:28515 (IDO-17258-B)
Fission product release analysis, 23:52383 (IDO-17292)
Fission product sampling and decontamination development program, 23:28522 (IDO-17258-I)
Fuel heatup simulation tests: FHUST, 23:28519 (IDO-

- 17258-F)
Fuel rod deformation in Spert III oxide E-core, 23:17252 (IDO-17291)
Heat transfer in MTR core, 23:4309 (IN-1245)
Heat transfer problems associated with the loft emergency-core-cooling program, 23:13540 (CONF-680832-5)
HYDRAX: FORTRAN program to calculate the energy release during a reactivity accident, 23:21504 (IDO-17275)
Improvement of x-y core heat transfer model, 23:17189 (IDO-17283)
LOFT Engineered Safety Systems investigations, 23:28513 (IDO-17258)
LOFT instrument development support program, 23:28520 (IDO-17258-G)
LOFT integral test program, 23:28524 (IDO-17258-K)
Operation experience with cast Fe, cast steel, and C steel in demineralized water, 23:2065 (IN-1249)
ORNL--LOFT fission product support program, 23:28523 (IDO-17258-J)
Parametric studies of fuel pin temperature response, 23:19581 (IDO-17295)
PARET: program for analysis of reactor transients, 23:17232 (IDO-17282)
PARET: program for analysis of reactor transients, 23:47223 (CNM-R-2(Vol.2), pp 664-80)
Physics methods used to compute reactivity, 23:7424 (IDO-17276)
Pressure responses of PWR containments: parametric analysis, 23:40374 (IDO-17300)
Pressurized water reactor, 23:28518 (IDO-17258-E)
Prog. rpt. on instrument development, annual, 1968, 23:41131 (IDO-17299)
Prog. rpt. on LOFT program, 1--3/69, 23:52406 (IDO-17302)
Prog. rpt. on LOFT program, 10/1--12/31/68, 23:52382 (IDO-17267)
Prog. rpt. on LOFT program, 7--9/68, 23:19512 (IDO-17266)
Prog. rpt. on reactor technology, 1--3/68, 23:4272 (IDO-17264)
Prog. rpt. on reactor technology, 4--6/68, 23:11256 (IDO-17265)
Prog. rpt. on Spert Project, 1--3/68, 23:17250 (IDO-17287)
Prog. rpt. on Spert Project, 10--12/67, 23:7400 (IDO-17279)
Prog. rpt. on Spert Project, 4--6/68, 23:15676 (IDO-17289)
Prog. rpt. on Spert Project, 7--9/68, 23:17254 (IDO-17294)
Proposed heat transfer experiments with direct application to testing reactors, 23:9640 (IN-1267)
Re-examination of MTR graphite pebble bed reflector, 23:2064 (IN-1248)
Reactivity accident test results and analyses for SPERT III E-core, 23:21516 (IDO-17281)
Reactor systems response analytical development program, 23:28514 (IDO-17258-A)
Scoping emergency cooling heat transfer (SECHT) tests project, 23:28517 (IDO-17258-D)
SECHT series I and II tests and analysis, 23:4273 (IDO-17278)
Semiscale blowdown and ECC, 23:28516 (IDO-17258-C)
SINBAD: space-independent nuclide buildup and depletion code, 23:21465 (IDO-17217)
Subcooled-blowdown: LOFT-quarter-scale experimental pressures and calculated transients using WHAM-code, 23:37366 (CONF-690609-8)
Ultrasonic anemometer for measuring steam convection currents, 23:17253 (IDO-17293)
Ultrasonic channel measuring system, 23:17251 (IDO-17290)
PHYSIKALISCH-TECHNISCHE BUNDESANSTALT, BRUNSWICK (WEST GERMANY).
Dosimetry with exo-electrons, 23:7816 (CONF-680920-, pp 180-99)
PICATINNY ARSENAL, DOVER, N. J.
Dependence of thermal decomposition induction period on prior γ - and x-ray irradiation, 23:19742 (BNL-13423)
Large containment capsule for nuclear reactor irradiation of explosive materials, 23:2461 (N-68-27049)
PILLSBURY CO., MINNEAPOLIS, MINN.
Effects of gamma radiation and chemical treatment on quality of stored potatoes for fresh market and processing usage. final report, 23:12247 (COO-1539-1)
PITTSBURGH UNIV., PA.
Covariance and analyticity of scattering amplitudes, 23:10858 (NYO-3829-26)
Prog. rpt. on radiation induced defects in metals, 11/3/67--11/15/68, 23:10237 (NYO-3653-3)
Prog. rpt. on radioecology of small vertebrate species under natural environments, annual, 12/1/67--11/30/68, 23:9903 (NYO-2579-18)
PITTSBURGH UNIV., PA. DEPT. OF CHEMISTRY.
Magnetic characteristics of 2-17 lanthanide--nickel compounds, 23:8651 (CONF-681020-(Vol.1), pp 105-15)
Magnetic characteristics of Pr--La and Pr--Y alloys, 23:8648 (CONF-681020-(Vol.1), pp 49-58)
Susceptibility of Pr^{3+} ion situation in hexagonal crystal field, 23:8658 (CONF-681020-(Vol.1), pp 335-46)
PITTSBURGH UNIV., PA. DEPT. OF PHYSICS.
Classical approximation for ionization by heavy particle impact, 23:3253 (N-68-27538)
Electron and nuclear spin interactions in solids, 23:42472 (AD-682320)
Separability of two particle potentials, 23:32955 (NYO-3829-31)
PITTSBURGH UNIV., PA. SPACE RESEARCH COORDINATION CENTER.
Ionization of ions, 23:16631 (N-68-32562)
Positive ion reactions, 23:27355 (N-69-10454)
Rocket investigation of aurora borealis, 23:44260 (N-69-30202)
PITTSBURGH UNIV., PA. WHERRETT LAB. OF NUCLEAR CHEMISTRY.
Prog. rpt. on nuclear chemistry research, annual, 1/68--1/69, 23:19158 (NYO-2771-29)
PLANNING RESEARCH CORP., LOS ANGELES, CALIF.
Effects of stage temperature drop on thermal stresses in representative cesium and potassium turbines, 23:24349 (ORNL-TM-2125)
PLASMA SCIENCES LABS., INC., VAN NUYS, CALIF.
Development of diagnostic methods for seeded air and nitrogen plasmas, 23:34381 (AD-679530)
PLESSEY AUTOMATION LTD. (ENGLAND).
Reactor instrumentation, 23:37481 (CONF-680625-3)
POLACOAT INC., BLUE ASH, OHIO.
Prog. rpt. on materials and systems for protection against flashblindness effects of nuclear detonations, Phase I, final, 6/63--5/64, 23:41346 (AD-688692)
Poland. Biuro Pelnomocnika Rządu do Spraw Wykorzystania Energii Jądrowej. Centralne Laboratorium Ochrony Radiologicznej, Warsaw.
see Centralne Laboratorium Ochrony Radiologicznej, Warsaw (Poland).
Poland. Office of the Commission of the Government for Uses of Nuclear Energy. Central Lab. of Radiological Protection, Warsaw.
see Centralne Laboratorium Ochrony Radiologicznej, Warsaw (Poland).
POLISH ACADEMY OF SCIENCES, KRAKOW. INST. OF NUCLEAR PHYSICS.
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POLISH ACADEMY OF SCIENCES, SWIERK. INST. OF NUCLEAR RESEARCH.
see also Institute of Nuclear Research, Swierk (Poland).
POLISH ACADEMY OF SCIENCES, WARSAW. INST. OF NUCLEAR RESEARCH.
see also Institute of Nuclear Research, Warsaw (Poland).
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see Junta de Energia Nuclear, Sacavem (Portugal).
Laboratorio de Fisica e Engenharia Nucleares.
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see Long Island Univ., Greenvale, N.Y. C.W. Post Coll.
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POWER REACTOR AND NUCLEAR FUEL DEVELOPMENT CORP., TOKAI (JAPAN).

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PRINCETON UNIV., N. J. DEPT. OF CHEMISTRY.

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PRINCETON UNIV., N. J. ELEMENTARY PARTICLES LAB.

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Radiation Research Labs., Mellon Inst., Pittsburgh, Pa. see Mellon Inst., Pittsburgh, Pa. Radiation Research Labs.
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Radiofysikaliska Institutet, Helsinki.
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RCN.

see Reactor Centrum Nederland. The Hague.

REACTIVE METALS, INC., ASHTABULA, OHIO.

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REACTOR CENTRUM NEDERLAND, PETTEN.

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Prog. rpt. on NERO development program, final, 5/68, 23:19544 (RCN-97(Vol.1)(Pt.1))

Reactor Group. Atomic Energy Establishment, United Kingdom Atomic Energy Authority, Winfrith, England.

see Atomic Energy Establishment, Winfrith (England).

Reactor Group, United Kingdom Atomic Energy Authority, Culcheth, England.

see United Kingdom Atomic Energy Authority, Culcheth (England). Reactor Group.

Reactor Group, United Kingdom Atomic Energy Authority, Dounreay, Scotland.

see United Kingdom Atomic Energy Authority, Dounreay (Scotland). Reactor Group.

Reactor Group, United Kingdom Atomic Energy Authority, Risley, England.

see United Kingdom Atomic Energy Authority, Risley (England). Reactor Group.

Reactor Group, United Kingdom Atomic Energy Authority, Sellafield, England.

see United Kingdom Atomic Energy Authority, Sellafield (England). Reactor Group.

Reactor Group, United Kingdom Atomic Energy Authority, Springfields, England.

see United Kingdom Atomic Energy Authority, Springfields (England). Reactor Group.

REACTOR INSTITUUT DELFT (NETHERLANDS).

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RENSSELAER POLYTECHNIC INST., TROY, N. Y. DEPT. OF CHEMISTRY.

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RENSSELAER POLYTECHNIC INST., TROY, N. Y. DEPT. OF MATERIALS ENGINEERING.

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RENSSELAER POLYTECHNIC INST., TROY, N.Y. DEPT. OF NUCLEAR SCIENCE.

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RENSSELAER POLYTECHNIC INST., TROY, N.Y. DIV. OF NUCLEAR ENGINEERING AND SCIENCE.

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RESEARCH ANALYSIS CORP., McLEAN, VA.

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 see Air Force Weapons Lab., Kirtland AFB, N. Mex.

Research Group. Atomic Energy Research Establishment, United Kingdom Atomic Energy Authority, Harwell, England.
 see Atomic Energy Research Establishment, Harwell (England).

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 see United Kingdom Atomic Energy Authority, Abingdon (England). Culham Lab.

Research Group, United Kingdom Atomic Energy Authority, Wantage, England.
 see United Kingdom Atomic Energy Authority, Wantage (England). Research Group.

RESEARCH INST. FOR NUCLEAR REACTORS, MELEKES (USSR).
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Research Lab. (Navy), Washington, D. C.
 see Naval Research Lab., Washington, D. C.

RESEARCH TRIANGLE INST., DURHAM, N. C.
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RICE UNIV., HOUSTON, TEX.
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RICE UNIV., HOUSTON, TEX. DEPT. OF SPACE SCIENCE.
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Rijksuniversiteit, Ghent.
 see Ghent Rijksuniversiteit (Belgium).

Rijksuniversiteit te Leiden.
 see Leiden Rijksuniversiteit (Netherlands).

RIKKYO UNIV., YOKOSUKA (JAPAN). INST. FOR ATOMIC ENERGY.
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Rochester Project.
 see Rochester Univ., N. Y. Atomic Energy Project.

ROCHESTER UNIV., N. Y.
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ROCHESTER UNIV., N. Y. ATOMIC ENERGY PROJECT.
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ROCHESTER UNIV., N. Y. DEPT. OF CHEMISTRY.
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 ROCKEFELLER INST., NEW YORK.
 see also Rockefeller Univ., New York.
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 ROSCOE B. JACKSON MEMORIAL LAB., BAR HARBOR, MAINE.
 see also Jackson Lab., Bar Harbor, Maine.
 ROSWELL PARK MEMORIAL INST., BUFFALO, N. Y.
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 ROSWELL PARK MEMORIAL INST., BUFFALO, N. Y. DEPT. OF BIOPHYSICS.
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 Royal Naval Scientific Service, Baldock, England. Services Electronics Research Lab.
 see Services Electronics Research Lab., Baldock (England).
 RPI Linac Lab., Rensselaer Polytechnic Inst., Troy, N.Y.
 see Rensselaer Polytechnic Inst., Troy, N.Y. RPI Linac Lab.
 Ruprecht-Karl-Universitaet, Heidelberg.
 see Heidelberg Univ. (West Germany).
 RURAL COOPERATIVE POWER ASSOCIATION, ELK RIVER, MINN.
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 see also Rutgers--The State Univ., New Brunswick, N. J.
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 Rutherford High Energy Lab., Science Research Council, Chilton, England.
 see Rutherford High Energy Lab., Chilton (England).
 RWE-Bayernwerk G.m.b.H., Gundremmingen, Germany.
 see Kernkraftwerk RWE-Bayernwerk G.m.b.H., Gundremmingen (West Germany).

S

S.E.R.A.I.
 see Societe d'Etudes de Recherches et d'Applications pour l'Industrie, Brussels (Belgium).
 SACRAMENTO MUNICIPAL UTILITY DISTRICT, CALIF.
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 SAMENWERKENDE ELECTRICITEITS-PRODUCTIEBEDRIJVEN, N. V., ARNHEM (NETHERLANDS).
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 see Sandia Labs., Livermore, Calif.
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 Sandia Lab., Sandia Corp., Albuquerque, N. Mex.
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 see Hawaii State Dept. of Agriculture.
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 see Illinois Dept. of Business and Economic Development, Springfield.
 SAO PAULO UNIV. (BRAZIL).
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 SASKATCHEWAN UNIV., SASKATOON. SASKATCHEWAN ACCELERATOR LAB.
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 see Institute of Radiation Physics, Helsinki (Finland).
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DEPT. OF MICROBIOLOGY.

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 see Stanford Linear Accelerator Center, Calif.
 State Committee for the Utilization of Atomic Energy of the Council of Ministers of the U.S.S.R., Moscow.
 see Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow.
 State Office of Nuclear Energy Development, Dept. of Commerce and Economic Development, Olympia, Wash.
 see Washington State Office of Nuclear Energy Development, Olympia.
 STATE UNIV. OF IOWA, IOWA CITY.
 see also Iowa Univ., Iowa City.
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 Steklov (V.A.) Mathematical Inst., Academy of Sciences, USSR, Moscow.
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 Studiecentrum voor Kernenergie, Brussels.
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 STUDIENGESellschaft ZUR FOERDERUNG DER KERNENERGIEVERWERTUNG IN SCHIFFBAU UND SCHIFFFAHRT E. V., HAMBURG (WEST GERMANY).
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 Sweden. Kungliga Tekniska Hogskolan, Stockholm.
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 Sweden. Kungliga Vattenfallstyrelsen, Stockholm.
 see Swedish State Power Board, Stockholm.
 Sweden. Kungliga Vetenskapsakademien. Geofysiska Observatoriet, Kiruna.
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 Texas Univ., Houston. M. D. Anderson Hospital and Tumor Inst.
 see Anderson (M. D.) Hospital and Tumor Inst., Houston, Tex.
 Thailand. Office of Atomic Energy for Peace, Bangkok.
 see Office of Atomic Energy for Peace, Bangkok (Thailand).
 Thayer School of Engineering, Dartmouth Coll., Hanover, N. H.
 see Dartmouth Coll., Hanover, N. H. Thayer School of Engineering.
 THERMO ELECTRON CORP., WALTHAM, MASS.
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 see TRW Equipment Labs., Cleveland, Ohio.
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 Conference on β - and γ -rays and their instruments, Kyoto Univ., 6/67, 23:9730 (KURRI-TR-41)
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see Societe Trefimetaux, Argenteuil (France).
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TRW SYSTEMS, REDONDO BEACH, CALIF.
see also TRW Systems Group, Redondo Beach, Calif.

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Prog. rpt. on radiation effects in Li doped Si solar cells, 8/15/68, 23:22141 (N-68-37750)
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see T. I. United States Ltd., Stamford, Conn.
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Turkey. Atomic Energy Commission, Ankara.
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TUSKEGEE INST., ALA.
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- U**
- U.S.S.R. Sovet Ministrov. Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii, Moscow.
see Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow.
U.S.S.R. Sovet Ministrov. Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii. Institut Atomnoi Energii. im. I. V. Kurchatova, Moscow.
see Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Atomnoi Energii.
U.S.S.R. Sovet Ministrov. Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii. Institut Teoreticheskoi i Eksperimental'noi Fiziki, Moscow.
see Gosudarstvennyi Komitet po Ispol'zovaniyu Atomnoi Energii SSSR, Moscow. Institut Teoreticheskoi i Eksperimental'noi Fiziki.
UGINE-KUHLMANN S.A., PARIS (FRANCE).
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UNIDYNAMICS, PHOENIX, ARIZ. RESEARCH DEPT.
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see Paducah Gaseous Diffusion Plant, Ky.
Union Carbide Corp. Nuclear Div. Research Center, Tuxedo,
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see Union Carbide Corp., Tuxedo, N. Y. Nuclear Div.
Union Carbide Corp. Nuclear Div. Y-12 Plant, Oak Ridge,
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see Union Carbide Corp., Oak Ridge, Tenn. Y-12 Plant.
UNION CARBIDE NUCLEAR CO., TUXEDO, N. Y. RESEARCH CENTER.
see also Union Carbide Corp., Tuxedo, N. Y. Nuclear
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 United Aircraft Corp., Middletown, Conn. Pratt and Whitney Aircraft Div.
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 UNITED ILLUMINATING CO., NEW HAVEN, CONN.
 Seabrook Nuclear Station, Unit 1 preliminary safety analysis report, Vol. 1, 23:25993 (DOCKET-50340-1)
 Seabrook Nuclear Station, Unit 1 preliminary safety analysis report, Vol. 2, 23:25994 (DOCKET-50340-2)
 Seabrook Nuclear Station, Unit 1 preliminary safety analysis report, Vol. 3, 23:25995 (DOCKET-50340-3)
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, ABINGDON (ENGLAND).
 CULHAM LAB.
 Collisionless interactions in interstreaming plasma jets, 23:51623 (CLM-R-99)
 CTO series: list of available Culham Lab. translations, 23:30516 (CLM-LM-3/69)
 Culham Laboratory reports and other unclassified publications issued up to August 1968, 23:4492 (CLM-Bib-8)
 Dynamic stabilization of unstable MHD equilibria, 23:51682 (CLM-R-97)
 Nonresonant microwave heating of plasma electrons, 23:18577 (CONF-680113-(Vol.1), pp 87-100)
 Plasmascope observations of plasma in a magnetic field, 23:3435 (CLM-R-82)
 Properties of linear filamentary multipole magnetic fields, 23:3437 (CLM-R-95)
 Resonant absorption of electromagnetic waves in a nonuniformly magnetized plasma, 23:18684 (CONF-680113-(Vol.1), pp 119-43)
 Rf plasma work at Culham Lab, 23:34371 (CONF-680113-(Vol.3), pp 1037-46)
 Strong transverse magnetogasdynamic shock waves, 23:51649 (CLM-R-96)
 Thermionic lithium plasma source for drift wave experiments, 23:51677 (CLM-R-98)
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, ANNAN (SCOTLAND).
 PRODUCTION GROUP.
 Prog. rpt. on radiobiology research unit, annual, 1968, 23:29712 (PG-Report-897)
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, CULCHETH (ENGLAND).
 DEVELOPMENT AND ENGINEERING GROUP.
 see also United Kingdom Atomic Energy Authority, Culcheth (England). Reactor Group.
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, CULCHETH (ENGLAND).
 REACTOR GROUP.
 Effects of neutron irradiation on the creep-rupture properties of type 316 stainless-steel tubes, 23:36074 (TRG-Report-1789)
 Fracture toughness of 0.36 percent carbon steel as revealed by instrumented Charpy impact test, 23:27058 (TRG-Report-1776)
 Gas chromatographic analysis of carbon dioxide based gas mixtures, 23:40539 (TRG-Report-1850)
 Strength of Zr-2 1/2 percent Nb alloy in annealed and cold-worked condition, 23:32042 (TRG-Report-1786)
 Use of small isothermal calorimeters to measure radiation dose rate in CO₂/graphite rigs, 23:9756 (TRG-Report-619)
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, DOUNREAY (SCOTLAND). DEVELOPMENT AND ENGINEERING GROUP.
 see also United Kingdom Atomic Energy Authority, Dounreay (Scotland). Reactor Group.
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, DOUNREAY (SCOTLAND). INDUSTRIAL GROUP.
 see also United Kingdom Atomic Energy Authority, Dounreay (Scotland). Reactor Group.
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, DOUNREAY (SCOTLAND). REACTOR GROUP.
 Analytical aspects of chemical studies on irradiated oxide nuclear fuels, 23:9308 (TRG-Report-1735)
 Compatibility of nimonic alloys with mixed (U,Pu) carbides, 23:38924 (TRG-Report-1835)
 Improvements in dosimetry for experiments in DIDO-type materials testing reactors, 23:31202 (TRG-Report-1754)
 Personnel dose assessments following accidental non-uniform irradiation of the body, 23:12059 (AHBS(RP)R-85)
 VERA core 18: assembly built to test calculation methods and data for D.F.R., 23:43148 (TRG-Report-1539)
 United Kingdom Atomic Energy Authority, Foulness, England.
 Atomic Weapons Research Establishment.
 see Atomic Weapons Research Establishment, Foulness (England).
 United Kingdom Atomic Energy Authority, Foulness, Southend-on-Sea, Essex, England. Weapons Group. Atomic Weapons Research Establishment.
 see Atomic Weapons Research Establishment, Foulness (England).
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, HARWELL (ENGLAND).
 AUTHORITY HEALTH AND SAFETY BRANCH.
 Application and interpretation of ICRP recommendations in the UKAEA, 23:24605 (AHBS(RP)R-78(3rd Ed.))
 Dose-rate distributions from spherical and spherical-shell radiation sources, 23:24606 (AHBS(RP)R-87)
 Personal β contamination monitoring, 23:22098 (AHBS(RP)R-89)
 Personnel dose assessments following accidental non-uniform irradiation of the body, 23:12059 (AHBS(RP)R-

85)
 Reactor safety course No. 7, 23:2057 (NP-17649(Vol.1))
 Reactor safety course No. 7, 23:2058 (NP-17649(Vol.2))
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, RISLEY (ENGLAND).
 AUTHORITY HEALTH AND SAFETY BRANCH.
 Analysis of reported boiler explosions and its implications for the safety of pressure vessels, 23:43430 (AHBS(S)R-161)
 Application of gas-cooled reactors to urban sites, 23:37359 (CONF-681008-9)
 Depressurisation and wave propagation in water cooled reactors, 23:28505 (EUR-4101, pp 9-22)
 Effect of deposition on the concentration of windborne material, 23:2421 (AHBS(S)R-157)
 Fission cross section evaluations for energy range 1 keV to 15 MeV, 23:40030 (AHBS(S)R-169)
 Handbook of experimental criticality data, 23:11349 (AHBS(S)Handbook-5(Pt.3))
 Methods for the evaluation of risk, 23:28501 (AHBS(S)R-159)
 Quantitative approach to the evaluation of the safety function of operators on nuclear reactors, 23:28502 (AHBS(S)R-160)
 Recommendations on the safe handling of zirconium metal and zirconium alloys, 23:38916 (AHBS(S)R-167)
 Shock waves and transient loading from chemical reactions, 23:28507 (EUR-4101, pp 75-88)
 Survey of defects in pressure vessels built to high standards of construction and its relevance to nuclear primary circuit envelopes, 23:26398 (AHBS(S)R-162)
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, RISLEY (ENGLAND).
 DEVELOPMENT AND ENGINEERING GROUP.
 see also United Kingdom Atomic Energy Authority, Risley (England). Engineering Group.
 see also United Kingdom Atomic Energy Authority, Risley (England). Reactor Group.
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, RISLEY (ENGLAND).
 ENGINEERING GROUP.
 see also United Kingdom Atomic Energy Authority, Risley (England). Reactor Group.
 Single purpose and coupled distillation systems, 23:21539 (NP-17802, pp 145-62)
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, RISLEY (ENGLAND).
 INDUSTRIAL GROUP.
 see also United Kingdom Atomic Energy Authority, Risley (England). Production Group.
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, RISLEY (ENGLAND).
 PRODUCTION GROUP.
 Bolted flanged joints for high-temperature service, 23:7668 (TRG-Report-1208)
 Power reactor fuel supplies and services of the UKAEA, 23:40165 (CONF-681064-7)
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, RISLEY (ENGLAND).
 REACTOR GROUP.
 Compendium of papers on desalination, 23:21538 (NP-17802)
 Deformation and fracture behaviour of zirconium-hydrogen alloys, 23:27166 (TRG-Report-1793)
 Electron microscope examination of alpha manganese precipitate in Mg-Mn creep specimens, 23:27057 (TRG-Report-1743)
 Fast reactor development in United Kingdom, 23:9100 (TRG-Report-1631)
 Friction and wear behavior of sliding bearing materials in sodium environments at temperatures up to 600°C, 23:12301 (TRG-Report-1269)
 Integrated gas turbine plants using CO₂-cooled reactors, 23:4292 (TRG-Report-1734)
 Large gas-cooled reactors for U. S. central stations, 23:13356 (CONF-680601-45)
 Nuclear power program of the U.K., 23:47211 (CNM-R-2(Vol.1), pp 58-69)
 Place of the fast reactor in commercial power development, 23:28417 (TRG-Report-1801(Rev.))
 Shielding design of the prototype fast reactor, 23:13475 (AERE-R-5773(Vol.5), pp 1295-1321)
 Solutions of the neutron transport equation in one dimension, 23:13456 (AERE-R-5773(Vol.1), pp 163-71)
 SQUIFID: square-mesh few-group reactor diffusion code, 23:31234 (TRG-Report-1761)
 Surface tension of liquid sodium and its wetting behaviour on nickel and stainless steels, 23:14320 (TRG-Report-1459)
 Use of diffusion-theory for transport calculations, 23:13453 (AERE-R-5773(Vol.1), pp 89-121)
 Use of kernel techniques for calculating the distribution of heating rates in moderators, 23:13458 (AERE-R-5773(Vol.2), pp 370-93)
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, SELLAFIELD (ENGLAND). DEVELOPMENT AND ENGINEERING GROUP.
 see also United Kingdom Atomic Energy Authority, Sellafield (England). Reactor Group.
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, SELLAFIELD (ENGLAND). INDUSTRIAL GROUP.
 see also United Kingdom Atomic Energy Authority, Sellafield (England). Production Group.
 see also United Kingdom Atomic Energy Authority, Sellafield (England). Reactor Group.
 UNITED KINGDOM ATOMIC ENERGY AUTHORITY, SELLAFIELD (ENGLAND). PRODUCTION GROUP.
 Absolute counting of fission product activities using 4 π and 4 π - γ coincidence techniques, 23:17751 (PG-Report-864)

Determination of ^{106}Ru , ^{103}Ru , ^{95}Zr , ^{95}Nb , ^{144}Ce , and ^{137}Cs in PuO_2 , 23:16 (PG-Report-845)

UNITED KINGDOM ATOMIC ENERGY AUTHORITY, SELLAFIELD (ENGLAND). REACTOR GROUP.

Behavior of fission gases in irradiated UO_2 , 23:3159 (TRG-Report-1681)

UNITED KINGDOM ATOMIC ENERGY AUTHORITY, SPRINGFIELDS (ENGLAND). DEVELOPMENT AND ENGINEERING GROUP.

see also United Kingdom Atomic Energy Authority, Springfields (England). Reactor Group.

UNITED KINGDOM ATOMIC ENERGY AUTHORITY, SPRINGFIELDS (ENGLAND). INDUSTRIAL GROUP.

see also United Kingdom Atomic Energy Authority, Springfields (England). Production Group.

see also United Kingdom Atomic Energy Authority, Springfields (England). Reactor Group.

UNITED KINGDOM ATOMIC ENERGY AUTHORITY, SPRINGFIELDS (ENGLAND). PRODUCTION GROUP.

Effects of sampling and sample pretreatment on the determination of carbon in uranium metal, 23:17322 (AWRE-O-42/68)

UNITED KINGDOM ATOMIC ENERGY AUTHORITY, SPRINGFIELDS (ENGLAND). REACTOR GROUP.

Design and construction of acoustic transducers for use in AGR simulation loops, 23:2703 (TRG-Report-1650)

Fundamentals of longitudinal wrinkling in fuel element cans, 23:28632 (TRG-Report-1499)

Simple model for estimating the bow of fuel elements after complete stress relaxation, 23:34946 (TRG-Report-1836)

UNITED KINGDOM ATOMIC ENERGY AUTHORITY, WANTAGE (ENGLAND). RESEARCH GROUP.

Constant-rate-injection and velocity methods of flow measurement for testing hydraulic machines, 23:26440 (AERE-R-5872)

Gamma-ray spectra of large volume aqueous sources, 23:38296 (AERE-R-6083)

Irradiation of carbon dioxide containing small amounts of methane, 23:28869 (AERE-R-6040)

Radiation polymerization of impregnated fibrous materials, 23:35126 (AERE-R-6090)

Use of gamma radiation in soil research, 23:38515 (AERE-R-6061)

United Kingdom Atomic Energy Authority. Authority Health and Safety Branch, Risley, Lancs, England.

see United Kingdom Atomic Energy Authority, Risley (England). Authority Health and Safety Branch.

United Kingdom Atomic Energy Authority. Authority Health and Safety Branch. Radiological Protection Div., Harwell, Berks, England.

see United Kingdom Atomic Energy Authority, Harwell (England). Authority Health and Safety Branch.

United Kingdom Atomic Energy Authority. Production Group. Chapelcross Works, Annan, Dumfriesshire, Scotland.

see United Kingdom Atomic Energy Authority, Annan (Scotland). Production Group.

United Kingdom Atomic Energy Authority. Production Group, Risley, Lancs, England.

see United Kingdom Atomic Energy Authority, Risley (England). Production Group.

United Kingdom Atomic Energy Authority. Production Group, Springfields, Lancs, England.

see United Kingdom Atomic Energy Authority, Springfields (England). Production Group.

United Kingdom Atomic Energy Authority. Production Group, Windscale, Sellafield, England.

see United Kingdom Atomic Energy Authority, Sellafield (England). Production Group.

United Kingdom Atomic Energy Authority. Reactor Group, Culcheth, Lancs, England.

see United Kingdom Atomic Energy Authority, Culcheth (England). Reactor Group.

United Kingdom Atomic Energy Authority. Reactor Group, Dounreay, Caithness, Scotland.

see United Kingdom Atomic Energy Authority, Dounreay (Scotland). Reactor Group.

United Kingdom Atomic Energy Authority. Reactor Group, Risley, Lancs, England.

see United Kingdom Atomic Energy Authority, Risley (England). Reactor Group.

United Kingdom Atomic Energy Authority. Reactor Group, Springfields, Lancs, England.

see United Kingdom Atomic Energy Authority, Springfields (England). Reactor Group.

United Kingdom Atomic Energy Authority. Reactor Group, Windscale, Cumb., England.

see United Kingdom Atomic Energy Authority, Sellafield (England). Reactor Group.

United Kingdom Atomic Energy Authority. Reactor Group. Atomic Energy Research Establishment, Winfrith, Dorset, England.

see Atomic Energy Establishment, Winfrith (England).

United Kingdom Atomic Energy Authority. Research Group. Atomic Energy Research Establishment, Harwell, Berks, England.

see Atomic Energy Research Establishment, Harwell (England).

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see United Kingdom Atomic Energy Authority, Abingdon (England). Culham Lab.

United Kingdom Atomic Energy Authority. Research Group. Wantage Research Lab., Wantage, Berks, England.

see United Kingdom Atomic Energy Authority, Wantage (England). Research Group.

United Kingdom Atomic Energy Authority. Weapons Group. Atomic Weapons Research Establishment, Aldermaston, Berks, England.

see Atomic Weapons Research Establishment, Aldermaston (England).

UNITED NUCLEAR CORP., ELMSFORD, N. Y.

Carburization of austenitic stainless steel by sodium, 23:45994 (ANL-7520(Pt.1), pp 104-9)

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UNITED NUCLEAR CORP., ELMSFORD, N. Y. RESEARCH AND ENGINEERING CENTER.

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Experiment description and hazards analysis for capsules UNC 191 through UNC 209, 23:13505 (UNC-5225)

High-performance UO_2 pulse reactor, 23:47242 (CNM-R-2(Vol.1), pp 538-72)

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Prog. rpt. on a continuous electrochemical meter for measurement of hydrogen in sodium, 7/1/68--9/30/68, 23:35553 (UNC-5232)

Prog. rpt. on electrochemical meter for measurement of hydrogen in sodium, 10--12/68, 23:40538 (PB-183567)

Prog. rpt. on fast reactor mixed-carbide fuel element development, 4--6/68, 23:4220 (UNC-5224)

Prog. rpt. on fast reactor mixed-carbide fuel element development, 7--9/67, 23:15679 (UNC-5193)

Prog. rpt. on fast reactor mixed-carbide fuel element development, 1--3/69, 23:48576 (UNC-5244)

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UNITED NUCLEAR CORP., NEW HAVEN, CONN.

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United States. Congress. Joint Committee on Atomic Energy.

see Joint Committee on Atomic Energy (U. S. Congress).

UNITED STATES-EURATOM FAST REACTOR EXCHANGE PROGRAM.

Analog computation model for steam-cooled direct-cycle fast reactors, 23:7386 (EURFNR-496)

Analysis of fast critical assemblies and large fast power reactors, 23:33037 (EURFNR-625)

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 Prog. rpt. on burnable poison additions to UO_2 , annual, 5/67--6/68, 23:46106 (CEND-3107-351)
 Prog. rpt. on control of Xe instabilities in large PWR's, 9/68, 23:13442 (WCAP-3680-8)
 Prog. rpt. on cyclones for steam separation in boiling-water reactors, annual, 1967, 23:17238 (EURAEC-2048)
 Prog. rpt. on cyclones for steam separation in boiling-water reactors, 1--3/68, 23:43106 (EURAEC-2029)
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 Prog. rpt. on development of boron concentration meter, 3/31/68, 23:47878 (WCAP-3690-5)
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 Prog. rpt. on embrittlement in steel in particular with respect to irradiation, semiannual, 7--12/68, 23:41601 (EURAEC-2085)
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 Prog. rpt. on influence of nitrogen in iron and steel under fast neutron irradiation, final, 10/68, 23:41682 (EURAEC-2087)
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 UNIVERSIDAD MAYOR DE SAN ANDRES, LA PAZ (BOLIVIA).
 LABORATORIO DE FISICA COSMICA.

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Cosmic ray intensity variations observed at Mt. Chacaltaya during 1965--67. III, 23:44190 (AD-682342)

UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO, MEXICO CITY. INSTITUTO DE FISICA.

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UNIVERSIDADE MACKENZIE, SAO PAULO (BRAZIL). GRUPO DE RADIO-ASTRONOMIA.

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Universidade Mackenzie, Sao Paulo, Brazil. Faculdade de Filosofia, Ciencias e Letras. Grupo de Radio-Astronomia. see Universidade Mackenzie, Sao Paulo (Brazil). Grupo de Radio-Astronomia.

Universite de Gand. see Ghent Rijksuniversiteit (Belgium).

Universiteit te Gent. see Ghent Rijksuniversiteit (Belgium).

Universiteit te Leiden. see Leiden Rijksuniversiteit (Netherlands).

Universiteit van Amsterdam. see Amsterdam Univ. (Netherlands).

UNIVERSITY COLL., LONDON (ENGLAND). DEPT. OF PHYSICS.

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University of Amsterdam. see Amsterdam Univ. (Netherlands).

University of Notre Dame, Notre Dame, Ind. see Notre Dame Univ., Ind.

UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES.

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UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES. DEPT. OF MEDICINE.

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UPPSALA UNIV. (SWEDEN).

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Ustav Jaderneho Vyzkumu, Ceskoslovenska Akademie Ved, Rez. see Ceskoslovenska Akademie Ved, Rez. Ustav Jaderneho Vyzkumu.

UT-AEC AGRICULTURAL RESEARCH LAB., OAK RIDGE, TENN.

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UTAH UNIV., SALT LAKE CITY. DEPT. OF ANATOMY.

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- VERMONT YANKEE NUCLEAR POWER CORP., RUTLAND.
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- Vermont Yankee Nuclear Power Station, plant design and analysis report, Vol. 1, 23:9075 (DOCKET-50271-1)
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- Vermont Yankee Nuclear Power Station, plant design and analysis report, Amend. 1, 23:13360 (DOCKET-50271-4)
- VETERANS ADMINISTRATION HOSPITAL, ALBANY, N.Y.
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 WALTER AND ELIZA HALL INST. OF MEDICAL RESEARCH, PARKVILLE (AUSTRALIA).
 Prog. rpt. on x-irradiation and immune response, 1966--69, 23:35662 (NYO-3695-3)
 Wantage Research Lab., Research Group, United Kingdom Atomic Energy Authority.
 see United Kingdom Atomic Energy Authority, Wantage (England). Research Group.
 WASHINGTON STATE OFFICE OF NUCLEAR ENERGY DEVELOPMENT, OLYMPIA.
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 Bibliography on radioecology, 23:9907 (TID-3915)
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 Prog. rpt. on effects of irradiation, temperature, and other environmental factors on salmonid embryos, 23:35871 (RLO-2049-2)
 WASHINGTON UNIV., SEATTLE. NUCLEAR PHYSICS LAB.
 Prog. rpt. on nuclear physics, annual, 6/69, 23:52109 (RLO-1388-96)
 WASHINGTON UNIV., SEATTLE. SCHOOL OF MEDICINE.
 Determination of total body calcium (skeletal mass) in man by in vivo neutron activation analysis and total body counting, 23:17 (RLO-2046-1)
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 WATERWAYS EXPERIMENT STATION, VICKSBURG, MISS.
 see also Army Engineer Waterways Experiment Station, Vicksburg, Miss.
 WAYNE STATE UNIV., DETROIT, MICH.
 Luminescence in calcium tungstate, 23:40613 (COO-1054-44)
 Wayne State Univ., Detroit, Mich. Coll. of Liberal Arts. Dept. of Chemistry.
 see Wayne State Univ., Detroit, Mich. Dept. of Chemistry.
 WAYNE STATE UNIV., DETROIT, MICH. DEPT. OF CHEMISTRY.
 Prog. rpt. on controlled polymerization of adsorbed monomers, annual, 12/27/68, 23:9418 (COO-1580-4)
 WAYNE STATE UNIV., DETROIT, MICH. DEPT. OF OCCUPATIONAL AND ENVIRONMENTAL HEALTH.
 Metabolism of rare earths following inhalation, 23:29312 (COO-1630-10)
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 Delayed luminescence in alkali halides under F bleaching, 23:40679 (COO-1054-43)
 Prog. rpt. on electron paramagnetic resonance studies of radiation effects in solids and chemical compounds, annual, 6/68--5/69, 23:42390 (COO-1054-42)
 WAYNE STATE UNIV., DETROIT, MICH. KRESGE EYE INST.
 Prog. rpt. on the ocular lens in relation to cataractogenesis, semiannual, 1/68--6/68, 23:11999 (TID-24829)
 Wayne State Univ., Detroit, Mich. School of Medicine. Dept. of Occupational and Environmental Health.
 see Wayne State Univ., Detroit, Mich. Dept. of Occupational and Environmental Health.
 Weapons Group, United Kingdom Atomic Energy Authority, Aldermaston, England.
 see Atomic Weapons Research Establishment, Aldermaston (England).
 WEAPONS RESEARCH ESTABLISHMENT, SALISBURY (AUSTRALIA).
 Theoretical models for brightness of contaminant glow clouds in the upper atmosphere, 23:17575 (NP-17772)
 Weapons Systems Evaluation Group. Inst. for Defense Analyses, Washington, D. C.
 see Institute for Defense Analyses, Washington, D. C.
 WEINER ASSOCIATES, INC., BALTIMORE, MD.
 Collation and evaluation of analyses and experiments on re-entry behavior of PuO_2 microspheres, 23:9655 (WAI-TR-68-2)
 Weir ed Itam S.p.A., Milan, Italy
 see Societa Italiana Weir ed Itam, Milan.
 WEIZMANN INST. OF SCIENCE, REHOVOTH (ISRAEL).
 Reactive collisions, 23:40608 (CALT-767-P-4-47)

- Resonances (theory), 23:1625 (SLAC-PUB-508)
 SLAC spiral reader project, 23:11849 (SLAC-PUB-529)
 WEIZMANN INST. OF SCIENCE, REHOVOTH (ISRAEL). DEPT. OF NUCLEAR PHYSICS.
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 WELLESLEY COLL., MASS. DEPT. OF BIOLOGICAL SCIENCES.
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 WEST VIRGINIA UNIV., MORGANTOWN. ENGINEERING EXPERIMENT STATION.
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 WEST VIRGINIA UNIV., MORGANTOWN. MEDICAL CENTER.
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 WESTERN ELECTRIC CO., INC., NEW YORK.
 Prog. rpt. on effects of radiation on semiconductor materials and devices, final, 1--12/67, 23:17853 (AD-672812)
 WESTERN KENTUCKY UNIV., BOWLING GREEN.
 Characteristics of ruby as a thermoluminescent radiation dosimeter, 23:7810 (CONF-680920-, pp 82-6)
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 WESTERN MICHIGAN UNIV., KALAMAZOO.
 Role of tubificid worms in transfer of ^{32}P in an aquatic ecosystem, 23:17974 (CONF-670503-, pp 270-7)
 WESTERN NEW YORK NUCLEAR RESEARCH CENTER, INC., BUFFALO.
 PULSTAR: slightly enriched UO_2 fueled reactor, 23:47239 (CNM-R-2(Vol.1), pp 408-49)
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 Research reactors and industrial applications of radioactivity, 23:47251 (CNM-R-2(Vol.3), pp 1230-6)
 Western Regional Hospital Board, National Health Service, Glasgow.
 see National Health Service, Glasgow (Scotland).
 Western Regional Hospital Board.
 WESTERN RESERVE UNIV., CLEVELAND, OHIO. SCHOOL OF MEDICINE.
 see also Case Western Reserve Univ., Cleveland, Ohio. School of Medicine.
 see also Case Western Reserve Univ., Cleveland, Ohio. School of Medicine.
 WESTERN WASHINGTON STATE COLL., BELLINGHAM.
 Prog. rpt. on fission studies on elements below Po, annual, 8/68--7/69, 23:44889 (RL0-1759-20)
 WESTINGHOUSE ELECTRIC CORP., CHESWICK, PA.
 Class I and II packaging concept for dry low enrichment UO_2 powders, 23:576 (CONF-681001-, pp 399-409)
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- Prog. rpt. on development of boron concentration meter, 6/30/68, 23:47879 (WCAP-3690-6)
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- Prog. rpt. on control of xenon instabilities in large PWR's, 3/31/69, 23:37484 (WCAP-3680-10)
- Westinghouse Electric Corp. Bettis Atomic Power Lab., Pittsburgh.
- see Bettis Atomic Power Lab., Pittsburgh, Pa.
- Westinghouse Electric Corp. Bettis Atomic Power Lab., West Mifflin, Penna.
- see Bettis Atomic Power Lab., West Mifflin, Pa.
- WESTINGHOUSE RESEARCH LABS., PITTSBURGH, PA.
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- Wherrett Lab. of Nuclear Chemistry, Univ. of Pittsburgh, Pa.
- see Pittsburgh Univ., Pa. Wherrett Lab. of Nuclear Chemistry.
- Whiteshell Nuclear Research Establishment, Atomic Energy of Canada Ltd., Pinawa, Manitoba.
- see Atomic Energy of Canada Ltd., Pinawa (Manitoba).
- Whiteshell Nuclear Research Establishment.
- WHITTAKER CORP., SAN DIEGO, CALIF.
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- William M. Brobeck and Associates, Berkeley, Calif.
- see Brobeck (William M.) and Associates, Berkeley, Calif.
- William Marsh Rice Univ., Houston, Tex.
- see Rice Univ., Houston, Tex.
- Williams Lab. of Nuclear Physics, Univ. of Minnesota, Minneapolis.
- see Minnesota Univ., Minneapolis. John H. Williams Lab. of Nuclear Physics.
- Windscale Works, Production Group, United Kingdom Atomic Energy Authority, Sellafield, England.
- see United Kingdom Atomic Energy Authority, Sellafield (England). Production Group.
- WISCONSIN ALUMNI RESEARCH FOUNDATION, MADISON.
- Chronic toxicity studies on low-dose irradiated strawberries, 23:18165 (CONF-681006-, pp 155-8)
- WISCONSIN ELECTRIC POWER CO., MILWAUKEE.
- Point Beach Nuclear Plant, Unit 1 and 2 facility description and safety analysis report, Vol. 4, 23:28360 (DOCKET-50266-13)
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- Point Beach Nuclear Plant, Unit 2 preliminary safety analysis report, Vol. 3, 23:23821 (DOCKET-50301-5)
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- Point Beach Nuclear Plants, Units 1 and 2: application for operating licenses, 23:28356 (DOCKET-50266-9)
- WISCONSIN PUBLIC SERVICE CORP., GREEN BAY.
- Kewaunee Nuclear Power Plant description and safety analysis report, Vol. 2, Apps, 23:1978 (DOCKET-50305-5)
- Kewaunee Nuclear Power Plant description and safety analysis report, Amend. 4, Suppl. 2, 23:1974 (DOCKET-50305-1)
- Kewaunee Nuclear Power Plant description and safety analysis report, Vol. 2, Sects. 7--14, Apps, 23:1977 (DOCKET-50305-4)
- Kewaunee Nuclear Power Plant description and safety analysis report, Amend. 1, 23:1975 (DOCKET-50305-2)
- Kewaunee Nuclear Power Plant description and safety analysis report, Vol. 1, Sects. 1--6, 23:1976 (DOCKET-50305-3)
- WISCONSIN UNIV., MADISON.
- Angular distribution of 24-MeV neutrons scattered by protons, 23:36827 (COO-7-506)
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- Proceedings of 1969 Regge cut conference, Madison, Wis., 4/69. I, 23:52018
- Proceedings of the 1969 Regge cut conference, Madison, Wis., 4/69. II, 23:52024
- Prog. rpt. on radiation interactions in solids: surface and high-pressure effects, final, 12/13/68, 23:12957 (COO-1439-2)
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- Thermoluminescence emission spectra of TLD-100 and 1963 Harshaw optical grade LiF, 23:41074 (TID-25159)
- Thermoluminescence of lithium fluoride for various types and concentrations of dopants, 23:41072 (TID-25156)
- Wisconsin Univ., Madison. Alumni Research Foundation. see Wisconsin Alumni Research Foundation, Madison.
- WISCONSIN UNIV., MADISON. DEPT. OF BIOCHEMISTRY.
- Prog. rpt. on mechanisms of ion transport at subcellular level, annual, 9/67--9/68, 23:4493 (COO-1668-8)
- WISCONSIN UNIV., MADISON. DEPT. OF ELECTRICAL ENGINEERING.
- Prog. rpt. on plasma instabilities and waves excited by an anisotropic energy distribution, 6/15/69, 23:42334 (COO-1695-19)
- Prog. rpt. on plasma instabilities and waves excited by an anisotropic energy distribution, 9/69, 23:48944 (COO-1695-24)
- Prog. rpt. on plasma instabilities, 9/15/68, 23:1408 (COO-1695-13)
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- Prog. rpt. on plasma instability and waves excited by an anisotropic energy distribution, 12/15/68--3/14/69, 23:27644 (COO-1695-15)
- WISCONSIN UNIV., MADISON. DEPT. OF GENETICS.
- Prog. rpt. on genetic effects of irradiation in rats, annual, 1968--69, 23:45698 (COO-697-19)
- WISCONSIN UNIV., MADISON. DEPT. OF HIGH ENERGY PHYSICS.
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Bibliography on steel pressure vessels for reactors, No. 16, 1/69, 23:28457 (AED-C-1-16)

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Germanic	ä	appears as ae
Germanic	ö	oe
Germanic	ü	ue
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- BIGUN, M. M., Low-temperature specific heat of an electron
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- Prog. rpt. on physics of solar corona, final, 2/67--8/68, 23:25068 (AD-674896)
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- Tungsten hexafluoride (WF_6), 23:9350 (CEA-Bib-125)
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- Prog. rpt. on nuclear chemistry, 1968, 23:37976 (AE-360)
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- COLPO, P. N., Prog. rpt. on static physics methods, 10--12/68, 23:23875 (BAW-3667-6)
- COLSMANN, Paul, Transportation regulations for radioactive materials, 23:31511
- COLSON, J. B., Prog. rpt. on instrument development, annual, 1968, 23:41131 (IDO-17299)
- COLSON, Jean-Claude, Sulfurization of powdered thorium by hydrogen sulfide, 23:28815
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- COMPTON, D. M. J., Prog. rpt. on radiation effects on lasers, final, 7/65-10/67, 23:764 (N-68-30248)
- COMPTON, M. R., Prog. rpt. on radiological sciences, annual, 1966, 23:11443 (BNWL-481-2)
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CONNES, P., Infrared spectra of M and C stars between 4000 and 9000 cm^{-1} . I, 23:6801

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CONNOR, Donald, SiO_2 (quartz), MgO , PbF_2 , and Bi as low-pass neutron velocity filters, 23:9802

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- Prog. rpt. on the measurement and control of radiation, annual, 1966, 23:7639 (NP-17698)
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- DOI, Akira, Evaporation of UO_2 containing Pu nuclides, 23:36272
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- Strengthening mechanism of WC--Co alloy, 23:34107
- DOI, Hideo, Square and squared-off cascades for U enrichment, 23:50076
- DOI, Kenji, New superlattice reflections of U_3O_8 , 23:45271
- DOI, Osamu, Rib fracture by postoperative irradiation of breast cancer, 23:31768
- DOI, T., Nb--Zr--Ti ternary alloy in superconducting magnets, 23:6953
- Superconducting saddle-shaped magnets, 23:3428
- DOI, Toshio, Critical current of superconducting Nb--Zr--Ti ternary alloys in magnetic field, 23:27539
- Effect of precipitation on critical current density of Nb--40 at. percent Zr--10 at. percent Ti alloy in magnetic field, 23:8189
- Effect of precipitation on the critical current density of Nb--40 at. percent Zr--10 at. percent Ti alloy in magnetic field, 23:1298
- Effect of precipitation on the critical current density of Nb--5 at. percent Zr--60 at. percent Ti alloy in magnetic field, 23:1299
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- II, 23:26352
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- FISHER, H. Leonard, Concentration factors of chemical elements in edible aquatic organisms, 23:24507 (UCRL-50564)
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- FORTY, A. J., Conference on fundamental aspects of stress corrosion cracking, Columbus, Ohio, 9/67, 23:36005
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- FOSTER, R. F., Prog. rpt. on earth sciences, annual, 1967,

23:11633 (BNWL-715(Pt.4))
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Prog. rpt. on shielding experiments at Geesthacht research reactor, annual, 1967, 23:49586 (EUR-4230)

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User's guide to publisher program, 23:52516 (UCRL-50683)

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- Large sand bed for air filtration, 23:29070
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- Proceedings of the first LAMPF users' meeting, Los Alamos, N. Mex., 6/20/68, 23:1727 (LA-3963)
- HARPER, P. V., Comparison of ^{68}Ga , $^{99\text{m}}\text{Tc}$, and $^{113\text{m}}\text{In}$ used with γ camera and 3-inch and 5-inch scanners for visualization of lesions in the brain, kidney, liver, and lung, 23:6488 (ACRH-1000-82)
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- HARRAH, L. A., Chemical dosimetry, 23:35530
- Chemical dosimetry with trans-stilbene-doped polystyrene film, 23:41079
- X- and γ -radiation damage to single crystal anthracene, 23:15904
- HARRAR, J. E., Prog. rpt. on analytical chemistry, annual, 1968, 23:28673 (UCRL-50006-69)
- HARRI, J., Rocket borne scintillation spectrometer for observing cosmic x rays, 23:22087
- HARRIES, J. R., Observations of Cen XR-2, Sco XR-1, and terrestrial x-rays, 23:1095
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- D-wave effects in high-energy proton--deuteron scattering, 23:3760
- Three-body interaction effects in high-energy scattering from deuterons, 23:15151
- HARRINGTON, Howard W., Spectroscopically analyzing a sample by detecting radiation field change, 23:28708
- HARRINGTON, J., ASTRA flux calculations with large scale computer programs, 23:37617 (SGAE-R-3/1968)
- HARRINGTON, J. P., Intrinsic polarization of Mira variables, 23:30227
- HARRINGTON, J. Patrick, Continuum absorption by heavy elements in high-excitation planetary nebulae, 23:20578
- Ionization stratification and chemical abundances in the planetary nebula NGC 7662, 23:36305
- HARRINGTON, J. V., Properties of solar wind turbulence, 23:5175
- HARRINGTON, R., Theory of barred and Magellanic spiral galaxies, 23:30281
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- Sensitivity and resolution in radioisotope scanning, 23:48103
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NHES, Wilmont N., Introduction to space science. Second Edition, 23:22707

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Reactor dynamics: foundation nuclear safety, 23:43191 (CONF-670846-, pp 95-135)

Stability studies of in-core thermionic reactor concepts, 23:40415

HETRICK, David, Equations of reactor dynamics, 23:47302 (CMM-R-2(Vol.2), pp 994-1014)

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- HEYDENBURG, Norman P., Prog. rpt. on research in experimental and theoretical low-energy nuclear physics, final, 10/67--9/68, 23:37284 (AD-684735)
- HEYDER, J., Determination of the degree of de-emanation for a ^{228}Th solution, 23:7452
Distribution of ^{228}Ra and ^{226}Ra in RES and marrow-free skeleton, 23:29337
- HEYDER, Joachim, Experimental animal studies on the thorotrast problem, 23:6432 (ANL-Trans-672)
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- HEYDE, Dietrich, Uranium, Th, and Ra in ocean water, 23:38128
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- HIATT, R. M., REPP: thermal hydraulic design code for water-cooled reactors, 23:26027 (BNWL-1013)
- HIATT, Robert W., Prog. rpt. on Eniwetok marine biology, annual, 1968--69, 23:35683 (SAN-226-4-X)
- HIBBELER, R., Viscous creep ratchetting of nuclear reactor fuel elements, 23:24045
- HIBBELER, Russell Charles, Creep ratchetting in nuclear reactor fuel elements, 23:41628
- HIBBERD, F., Investigation of total electron content in equatorial anomaly of East Africa, 23:51470
- HIBBERD, M. J., LILLY: computer code for calculating an inferred K-infinity from reaction rate measurements in thermal reactor systems, 23:31152 (AEW-M-834)
- HIBBERT, M. S., Coating of uranium monocarbide with silicon carbide in a fluidized bed, 23:22634
- HIBBITS, J. O., Measurement of surface U on oxidized fuel elements, 23:13665
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- HIBBS, Roger F., Review of enriched uranium fuel cycle, 23:17733 (ORO-665, pp 85-119)
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HIGASHINO, Stanley, Cardiac catheterization using a radioactive catheter and the scintillation camera, 23:8021 (UCRL-18066, pp 58-63)

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HIGBIE, J., Gamma radiation from fission fragments experimental apparatus, 23:49380 (AE-367)

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HIGHTOWER, Joe W., Tracer studies of acid-catalyzed reactions. IX, 23:17440

HINBOTHAM, W. A., Conference on semiconductor nuclear-particle detectors and circuits, Gatlinburg, Tenn., 5/67, 23:22003

Survey of nuclear material and possible measurement techniques, 23:31235 (BNL-13627)

HIGUCHI, Hideo, Determination of Sr and Ba by neutron activation analysis, 23:17384

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HIGUCHI, Yoshihiro, Cyclotron and Cherenkov mechanisms for exciting hydromagnetic radiation in the magnetoactive plasma, 23:14800

HIHARA, Tadamiki, NMR study of ferromagnetic β_1 -MnZn, 23:42512

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HILBERG, Albert W., Conference on reduction of radiation exposure in nuclear medicine, Michigan State Univ., 8/67, 23:12090

Epidemiology of late effects of radiation, 23:50892 (PHS-999-RH-33, pp 145-52)

HILBERT, Jerald W., Energy deposition by high-energy protons, 23:35742

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HILBERT, Jerald William, Statistical fluctuations of energy deposited by protons in thin layers of low atomic number materials: microdosimetric applications, 23:2674

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HILBISH, R. T., Frequency conversion in the sheath capacitance of a glow discharge plasma, 23:3486

HILBORN, H. S., Prog. rpt. on isotopic power and heat sources, 4--6/68. I, 23:528 (DP-1169-1)

Prog. rpt. on isotopic power and heat sources, 7--9/68. I, 23:6629 (DP-1177-1)

Prog. rpt. on isotopic power and heat sources, 10--12/68. I, 23:19903 (DP-1192-1)

Prog. rpt. on isotopic power and heat sources, 1--3/69. I, 23:29091 (DP-1196-1)

Publications, 1968, 23:21588 (DP-929(Rev.1)(Suppl.1))

HILCZER, Bozena, Effect of neutron irradiation on properties of ferroelectric single crystals of barium titanate, 23:15881

HILDEBRAND, B. P., Acoustic holography for nuclear instrumentation, 23:2711

Acoustic holography for nuclear instrumentation, 23:6320 (BNWL-SA-2017)

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HILDEBRAND, J., Motion of electron packets and light bursts in discharge, 23:25330

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- Neutron fission and capture cross-section measurements for ^{235}U in energy region 0.02 to 1 eV, 23:23675 (ORNL-TM-2353)
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- HODES, M. E., Enzyme levels of mouse organs after leukemogenic doses of x-ray, 23:17925
- Prog. rpt. on isolation of factor preventing x-ray induced leukemia, annual, 1/68--1/69, 23:29570 (COO-1391-17)
- HODGE, Donald M., Prog. rpt. on radiation bio-effects, annual, 1967, 23:10045 (NP-17514)
- Radiation bio-effects, summary report, 1--12/68, 23:33804 (PHS-PUBL.-1809)
- HODGE, Frederick A., Cellular response of mice to infection with *Pasteurella tularensis* following exposure to gamma radiation, 23:35661 (AD-681376)
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- Application of nondestructive activation analysis to meteorites, 23:11456
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- Asymptotic fields in some models of quantum field theory. II, 23:27852
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- HOEYE, Age, Radiochemical break-down of ^{131}I labeled L-thyroxine preparations, 23:45357
- HOEYRUP, Jens, Double Regge analysis applied to $\text{pp} \rightarrow \Delta^{++} \pi^- \text{p}$ and $\text{pp} \rightarrow \text{ppu}$, 23:36953
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- Reactor requirements for first generation thermionic nuclear electric propulsion, 23:45111 (GA-9046(Rev.))
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- Economic potential of different advanced reactor concepts in a future power generating system, 23:28414 (JUL-556-PA-RG)
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- Sol-gel process for production of spherical (Th,U)O₂ particles, 23:18264
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- Deuterium analysis by photoneutron detection, 23:49735
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- Lung changes in rabbit following thorax irradiation, 23:50849
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- Vacuum system for high-radiation environment at the RPI linac lab, 23:34696
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- KRAUS, G., Analysis of 1660 MeV 3π -resonance ' A_3 ' in 8 GeV/c $\pi^+\pi^-$ interactions, 23:3655
- Six-prong $\pi^+\pi^-$ interactions, 23:13040
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- KRAUS, L., First excited levels of ^{6}Li , 23:37124
- KRAUS, W., Radiation doses in lung due to inhaled compounds containing ^{147}Pm , 23:11991 (SZS-11/68, pp 31-42)
- Radiocerium incorporation in rats and inhalation of luminous paints containing ^{147}Pm , 23:11987 (SZS-11/68)
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- KRAUSE, G. F., Indices of chemical composition in live ovines and their carcasses, 23:22208
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- Prog. rpt. on department of radiation protection and decontamination, annual, 1967, 23:43504 (KFK-888)
- KRAUSE, L., Isotope effect on $6^2\text{P}/\text{sub } 1/2 \rightarrow 6^2\text{P}/\text{sub } 3/2$ mixing in Cs, 23:14639
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- KRAUSHAAR, J. J., Effective two-body force using $^{54}\text{Fe}(\text{He},t)$ charge exchange reaction, 23:39975 (COO-535-593)
- Effective two-body force using the $^{54}\text{Fe}(\text{He},t)$ charge exchange reaction, 23:39994
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- KRAUSOVA, Marie, Application of intensostatic polarization for remote measurement of instantaneous corrosion rate of Zr--Nb 2.5 alloy in aqueous solutions of mixtures of

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- Retained fertility following radiotherapy for rectal carcinoma, 23:16428
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- KRAUSS, Marc, Conference on extraction and processing of optical images in the medical and biological sciences, New York, 6/67, 23:34969
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- KRAUSS, O., Placentography with short-lived radionuclides. I, 23:38690
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- KRAUSS, R., Production of Λ^0 and Σ^0 hyperons by pions of beam momenta 1.12 to 1.32 GeV/c, 23:46618
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- KRAUTH, A., Change of crystallite size and lattice strain of small crystallites under high pressure, 23:51129
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- Sintering kinetics and powder properties of MgO and UO_2 , 23:18277 (LIB/Trans-185)
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- MCGLYNN, S. P., Delayed luminescence of organic mixed crystals. IV, 23:2292
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- Prog. rpt. on energy deposition study, annual, 8/31/68, 23:12519 (GA-9062)
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- MCHARRIS, Wm. C., Lead-203m decay and M4 transition probabilities in neutron-deficient Pb isotopes, 23:4025
- Prog. rpt. on nuclear chemistry, annual, 1968, 23:17084 (COO-1779-4)
- States of ^{117}Sn , 23:13284
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- Isotope user's guide, 23:50040 (ORNL-IIC-19)
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- MCNURRAY, W. R., Energy levels of ^{139}La and ^{141}Pr from $(n,n'\gamma)$ measurements, 23:15481
- Fast neutron scattering from ^{139}La and ^{141}Pr , 23:13301
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- Reaction $^{30}\text{Si}(p,\gamma)^{31}\text{P}$, 23:13251
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NERURKAR, N. W., Cosmic x rays in energy range 20 to 200 keV, 23:48767

NERVI, C., Tumor radiotherapy under regional hyperoxygenation, 23:29706

NERVI, Carlo, Radiotherapy in treatment of head and neck cancer, 23:38705

NESEBET, R. K., Anomaly-free variational method for inelastic scattering, 23:14620

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NESENYUK, T. A., Microflora of bronchial contents after radium therapy, 23:43923

NESEPOR, V. S., Thermal conductivity of cubic monocarbides and mononitrides of transition metals, 23:10279

NESEKOVIC, B. A., Early effects of homologous DNA of irradiated L-strain cells, 23:12140 (AEC-tr-6646/4A, pp 151-4)

NESMEYANOV, A. N., Cobalt-57 electron capture in $\text{K}_2[\text{Fe}(\text{C}_2\text{O}_4)_3] \cdot 3\text{H}_2\text{O}$, 23:47488

Role of hydrodynamics in kinetics of isotopic exchange in $\text{Sb(V)}\text{--HCl--}(\text{C}_6\text{H}_5)_2\text{O--H}_2\text{O}$ systems, 23:47439

NESMEYANOV, A. N., Investigation of forms of stabilization of ^{51}Cr recoil atoms in some oxygen-containing compounds of chromium, 23:13750

Stabilization of recoil atoms of ^{119}mSn in tin oxides irradiated in a reactor by 5.4×10^{21} n/cm² doses, 23:13797

Textbook of practical studies in radiochemistry, 23:28935

NESMEYANOV, N., Behavior of atoms of recoil tritium in solid mixtures of cyclohexane and benzene with additions of iodine, 23:13793

NESMYANOVICH, A. T., Sources of geomagnetic storms with gradual commencement, 23:20762

NESS, N. F., Dependence of the lunar wake on solar wind plasma characteristics, 23:41849

Interplanetary magnetic fields and plasmas, 23:46221

Observations of the interplanetary magnetic field, July 4-12, 1966, 23:22820

Particle shadowing by the Moon, 23:10382

Perturbed-interplanetary magnetic field in the lunar wake, 23:1155

NESS, Norman F., Active regions and the interplanetary magnetic field, 23:36412

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Influence of a solar active region on the interplanetary magnetic field, 23:1125

Model of interplanetary and coronal magnetic fields, 23:25080

Power spectra of the interplanetary magnetic field, 23:39225

Satellite studies of the Earth's magnetic tail, 23:44276

NESSLAGE, G. V., Vacuum vapor deposition techniques, 23:35982 (MLM-1509)

NESTERENKO, M. N., Rubidium and cesium uranyl fluorides, 23:6103

NESTERENKO, V. B., Prospects for using chemically reacting systems as coolant and working substance in atomic power stations with fast nuclear reactors, 23:52338 (JPRS-48330, pp 640-66)

NESTERENKO, V. P., Calculation on the dosage of preparations reducing the deposition of ^{90}Sr in the organism, 23:12172

Penetration of ^{90}Sr from various foodstuffs and effect of composition of diet on its assimilation, 23:22180 (AEC-tr-6944, pp 641-50)

NESTERIKHIN, Yu. E., Methods of high-speed measurements in gas dynamics and plasma physics, 23:34390 (N-69-19881)

Source of neutral particles, 23:12553

NESTEROV, M. M., J-plane singularities of e^-p^- scattering amplitudes, 23:36887

NESTEROV, V. G., Effect of parameters of the optical model on the channel analysis of the neutron-induced nuclear fission, 23:9048

Effect of the optical-model parameters on channel analysis of the neutron-induced nuclear fission, 23:42955 (BNL-tr-273)

NESTEROV, V. M., Effective cross sections of atomic displacement in some two-component glasses under effects of γ radiation, 23:1545

NESTEROVA, L. L., Probe diagnostics of a plasma at medium pressures, 23:51618

NESTEROVA, N. M., Installation for study of extensive showers, 23:41063

NESTOR, C. W. Jr., Calculation of K, L, M, and N binding energies and K x-rays for elements from Z = 36 to 120, 23:49473

Effective nucleon--nucleon interaction for use in nuclear Hartree--Fock calculations, 23:42959 (ORNL-TM-2556)

Prog. rpt. on mathematics, annual, 1968, 23:21604 (ORNL-4385)

NESTOR, O. H., Stacking fault energy of Ni-base superalloy, 23:34013

NESTOROV, G., Iono-index about the hard emission of the solar-active regions, 23:27460

Ionospheric effects of x-ray emission from an active region, 23:22790

Proton region with flares and ionospheric effects, 23:14527

NESTOROV, Georgi, D-region dynamics during the solar eclipse of May 20, 1966, 23:10533

Ion kinetics of the lower ionosphere, 23:27458

NESTOROV, Georgi T., Narrowing of the ionospheric absorption anomaly by solar eclipses, 23:6926

Sunrise effects in lower D-region by solar eclipse, 23:6929

NESYN, I. N., Changed titre of heterophile antibodies in patients with cancer of cervix uteri, 23:31669

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NETHERCOTT, R. B., Flux pinning by oxide-film distributions in a type-II superconductor, 23:25250

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- glutathione, 23:38602
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- NETTER, F., First operation of the high duty cycle Sclay electron linac (A.L.S.), 23:28004
- Sclay electron linear accelerator, 23:17014 (CEA-CONF-1229)
- Sclay electron linear accelerator, 23:44801
- NETTESHEIM, P., Lack of recruitment of antibody forming cells during the late haemagglutinin response, 23:5027
- NETTLETON, Wilson J. Jr., Computers: what they are and what they do, 23:17829
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- Irradiation experience with isotropic graphite, 23:36295
- NETYKSA, E. M., DNA repair and induction of mutants with altered DNA base composition, 23:6422
- NETZBAND, D., Correlation measurements for reaction $^{24}\text{Mg}(d,p)^{25}\text{Mg}(3.40 \text{ MeV})$, 23:21299 (ZFK-130, pp 126-30)
- Reactions (d,d) and (d,p) on ^{24}Mg , 23:21298 (ZFK-130, pp 121-5)
- NEU, F. D., On-line wire spark chamber system used as a mass spectrometer, 23:7795
- NEUBAUER, G., Isotope placentography, 23:8044
- NEUBAUER, H., Radiation protection for rabbit eyes, 23:38601
- RBE of 15-MeV neutrons on cataracts, 23:33853
- Superconductive transitions of different type II compounds, 23:42132
- NEUBERGER, A., Determination of glucosamine and galactosamine in some glycoproteins by radioisotope dilution, 23:41
- NEUBERT, W., Isomerism in ^{129}La , 23:47008
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- Three-quasiparticle isomeric state in ^{133}Sm , 23:34795
- NEUBERT W., Properties of neutron deficient Cs nuclei. I, 23:49391 (JINR-P6-4539)
- NEUBURGER, M., Application of radioactivation analysis to radioecological studies, 23:24111 (AEC-tr-7041)
- Radioecological applications using simple or automated radiochemical separation techniques, 23:21664 (CEA-CONF-1254)
- Study of inorganic components of plants by radioactivation analysis, 23:9327
- Study of ruthenium partition in an ecological pond using neutron activation analysis, 23:43282
- NEUDACHIN, V. G., Quadrangle graph and inelastic scattering of low-energy (5 to 10 MeV) protons and deuterons of some p-shell nuclei, 23:19373
- NEUDATCHIN, V. G., Elastic and inelastic scattering of high-energy electrons in the cluster model, 23:19192
- Evidence for nucleon clusters in the lightest nuclei, 23:30952
- Nucleon clusters in p-shell nuclei, 23:25964
- NEUFELD, J., Comments on quality factor, 23:45749
- Radiation dose from high-energy nucleons in targets containing soft tissue and bone, 23:839
- Wave propagation and group velocity in absorbing media, 23:25395
- NEUFELD, Jacob, Calculation of radiation dose due to protons and neutrons with energies from 0.4 to 2 GeV, 23:6484
- Effects of phantom geometry on dose distribution, 23:14197
- Neutron, proton depth-dose curves, 23:24668
- Radiation dose from neutrons and protons in energy range from 400 MeV to 2 GeV, 23:45742
- NEUFELD, Orville G., Labeling of marrow cells of vitamin E-deficient monkeys, 23:22241
- NEUGEBAUER, G., 1.65 to 19.5-micron observations of the galactic center, 23:39252
- Axial-symmetric stationary solutions of Einstein field equations for the vacuum, 23:3825
- Infrared and optical measurements of the Crab Pulsar NP 0532, 23:34191
- Infrared observations of eta Carinae to 20 microns, 23:22720
- Spectrophotometry and infrared photometry of BL Lacertae, 23:2719
- UBVRIJKL photometry of the central region of M31, 23:39276
- Visual and infrared observations of Sco XR-1, 23:14489
- NEUGEBAUER, Gerry, Nature of candidate star for pulsating radio source CP 1919, 23:14508
- NEUHAUSER, H., Active crystal length in yield region of neutron-irradiated copper single crystals. II, 23:10703 (WAPD-Trans-100)
- NEUHAUSEN, Reiner, Investigation of first two excited levels of ^6Li , 23:17078
- NEUHAUSER, H., Active crystal length in plastic range of neutron-irradiated Cu single crystals. I, 23:3559 (WAPD-Trans-0093)
- NEUHOLD, R. J., Reaction rates as weighting functions in fast reactor space-energy synthesis, 23:37726
- NEUMAN, M., Turbulence as a motion of a Wiener space, 23:21613 (UCRL-50557)
- NEUMAN, William F., Prog. rpt., annual, 1967, 23:777 (UR-49-935)
- Prog. rpt., annual, 1968, 23:50236 (UR-49-1070)
- NEUMAN, Z., Basocellular carcinoma of face and scalp following radiation lesions, 23:5042
- NEUMANN, E., Investigation of uptake of trace metals in normal and leukemic cells, 23:48088 (SGAE-BL-32/1969)
- NEUMANN, G., Epidemiology of leukemia, 23:33902
- NEUMANN, H., Effect of native, denatured, renatured, and degraded DNA on survival of lethally irradiated rats, 23:12134 (AEC-tr-6646/4A, pp 103-6)
- Granular materials: range of applications and problems, 23:36173 (EUR-4190, pp 25-52)
- Kinetics of death after whole-body irradiation with x rays or gamma rays, 23:12135 (AEC-tr-6646/4A, pp 107-10)
- Method for absolute determination of ^{238}U capture rates, 23:47033
- NEUMANN, I. P., High-temperature stability of thorium-strengthened nickel-chromium alloys, 23:27175
- NEUMANN, J. P., Annealing behavior of rolled tungsten single crystals, 23:48411
- NEUMANN, Johann v., Mathematical principles of quantum mechanics, 23:1199
- NEUMANN, K. J., Method for adjusting the Anger camera, 23:33457
- NEUMANN, Manfred, Volumetric determination of Mo, W, and Pb, 23:47377
- NEUMANN, W., Electric and thermal conductivity and beam density for oxygen plasma, 23:6992
- Evaluation of an argon plasma, 23:10625
- Indirect determination of the radiation component in the energy balance of wall-stabilized Hg and Xe high-pressure arcs, 23:23103
- NEUMARK, Gertrude F., Scintillation detector using a single crystal of gallium arsenide, 23:9728
- NEUPERT, W. M., X rays from the Sun, 23:44105
- NEUPERT, Werner M., Solar corona above active regions, 23:36414
- NEURATH, Peter W., Prog. rpt. on an automated human chromosome analysis system, 4/15/68, 23:9285 (NYO-3748-9)
- NEUSTADTER, Harold E., Electron mobility in randomly located hard-core scatterers, 23:30545 (N-69-19601)
- NEUSTROEV, G. V., Influence of AET on loach embryos, *Misgurnus fossilis*, under action of γ -rays and radiotoxins, 23:861
- NEUWIRTH, Wolfgang, Energy loss of charged particles in matter. I, 23:14637
- NEUZIL, E. F., 65-MeV He ion-induced fission of ^{194}Pt , ^{195}Pt , and ^{196}Pt , 23:31030
- Comparison of ^{197}Au (rho, fission) to ^{194}Pt (α , fission) at an excitation of 40.5 MeV, 23:31031
- NEUZIL, Edward F., Prog. rpt. on fission studies on elements below Po, annual, 8/68--7/69, 23:44889 (RLO-1759-20)
- NEVE DE MEVERGNIES, M., Chemical effect on half-life of ^{235}U , 23:44946
- Fission cross section of ^{232}Th for thermal neutrons, 23:5929
- NEVEROV, V. A., Development of the methods and recording apparatus for the experimental determination of the energy release in the channels of high-flux research reactors, 23:47270 (SRARI-P-19)
- NEVEU, A., Fit to S-wave π phase-shifts using current algebra, 23:18891
- NEVEZHIN, O. A., Volt-ampere characteristics of thermionic converters, 23:32212
- NEVILLE, Donald E., Extension of the Veneziano representation, 23:16963
- NEVINITSIA, A. I., Methods of calculating fast reactors, 23:52454 (JPRS-48331, pp 82-105)
- NEVODNICHANSKII, G., Excited states of ^{129}I following decay of ^{129}mTe , 23:4012
- NEVOROTIN, A. I., Influence of radiation on process of secretion of ACTH from anterior pituitary into the blood, 23:29363
- NEVSKAYA, A. I., Disturbances in hepatic and renal function of dogs in late stages of chronic poisoning with ^{90}Sr , 23:22378 (AEC-tr-6944, pp 384-99)
- NEVSKAYA, G. F., Radiobiological data in relation to local astronaut shielding, 23:12195 (JPRS-45483, pp 99-104)
- NEVSTRUEVA, M. A., Results of investigations of nuclear fall-out over the territory of USSR, 23:49954
- NEVSTRUEVOI, M. A., Reports on radiation protection. III, 23:4972
- NEVZOROV, B. A., Problems of corrosion resistance of structural materials in sodium, 23:50982 (JPRS-48330, pp 426-61)
- NEW, Maria I., Double isotope dilution derivative technique for testosterone glucuronide in urine, 23:17344
- NEW, S. A., Anomalous slowing down of neutrons in paraffin wax, 23:17064
- NEWBERY, G. R., Standards of activity, 23:4785
- NEWBERY, J. E., Lanthanide complexes. IX, 23:35070
- Preparation and properties of lanthanide complexes of some β -diketones, 23:35068
- Vibrational spectra of $[\text{UO}_2\text{Cl}_4]^{2-}$ and $[\text{UO}_2\text{Br}_4]^{2-}$ ions, 23:47453
- NEWBERY, S. P., Co-ordinate transfer system for gamma camera, 23:38289
- NEWBIGGING, David, Leak detection in high pressure gas system, 23:9778
- NEWBOWER, R. S., Enhanced diamagnetism above $T_{\text{sub c}}$ in indium, 23:30511

NEWBY, B. J., Development of testing procedures for protective coatings to be used in nuclear reactor containment structures, 23:19513 (IN-1253)

NEWCOMB, D. L., Radioactive waste disposal data for NRTS, 23:591 (IDO-12040(Suppl.3))

NEWCOMBE, C. L., Hazards from immersion of Pu in marine environment, 23:12107

NEWCOMBE, R. J., Electrochemical method for determination of solubility of H in liquid Na, 23:17429

NEWCOMER, W. S., Accumulation of radioiodine in thyroids of chickens, 23:26679

NEWELL, E. B., Blue horizontal-branch stars of NGC 6397, 23:27219

NEWELL, J. M., Initial radiation protection aboard ship, 23:36763

NEWELL, R., Prog. rpt. on liquid metal bearings technology, 11/68--1/69, 23:21856 (NYO-3930-4)

NEWELL, R. E., Afternoon radio aurora, 23:10506

NEWHEY, C. W. A., Mechanical behavior of Fe--11 at. percent Mo alloy, 23:24910

NEWFIELD, S. E., Specialized high-performance coatings, 23:14422 (LA-4060)

NEWHOUSE, V. L., New materials and more applications for superconductivity, 23:23037

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NEWKIRK, G., Influence of magnetic fields on solar corona, 23:36410

NEWKIRK, G. Jr., Coronal electron densities during the period of the July 1966 proton flare, 23:22779

NEWKIRK, Gordon Jr., Magnetic fields and structure of solar corona. I, 23:51291

NEWKIRK, Herbert W., Electrical transport processes in BeO, 23:1536

NEWKIRK, J. B., Precipitated carbides in alloy systems. I and II, 23:8309

NEWKIRK, John B., Conference on applications of x-ray analysis, Denver, Colo., 8/67, 23:6065

Conference on applications of x-ray analysis, Denver, 8/66. X, 23:27112

NEWKIRK, L. L., Radial diffusion coefficient for electrons at $1.76 < L < 5$, 23:5302

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NEWLIN, Janet E., Effect of dose levels and specific activities of tritiated thymidine in hamster, 23:45604 (ANL-7535, pp 37-9)

Studies on the corneal epithelium, 23:45605 (ANL-7535, pp 76-7)

NEWLING, D. O., Filament winding, 23:27206 (AWRE-0-81/68)

NEWLON, C. E., Criticality considerations in basket design for irradiated fuel shipment, 23:35444

New end-loading shipping container for unirradiated fuel assemblies, 23:578 (CONF-681001-, pp 426-37)

Solid angle method of spacing, 23:19574 (CONF-680909-, pp 80-2)

NEWMAN, D. F., Fast neutron cavity experiment in PCTR, 23:23955 (BNWL-CC-1704)

NEWMAN, D. G., Chemisorption of hydrogen on TaC, 23:22673

NEWMAN, D. J., Accuracy of Hartree--Fock wave functions, 23:30316

Crystal field in rare-earth trichlorides. III, 23:3575

Crystal field in rare-earth trichlorides. IV, 23:14685

NEWMAN, Darrell F., Highly enriched U--Al, 0.95 wt percent enriched uranium, and Li--Al target supercell: PCTR experiments, 23:49583 (BNWL-1029)

NEWMAN, Dennis R., Ultrasonic thickness measurement for precision control of machine tools, 23:38343 (BNWL-1022)

NEWMAN, E., Levels in ^{137}Cs , ^{139}La , ^{143}Pm , and ^{145}Eu observed with proton transfer reactions, 23:1888

Levels in ^{22}Ne , ^{26}Mg , and ^{34}S by proton pickup, 23:7257

Study of a possible 3^+ level in ^{30}Si , 23:5838

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NEWMAN, Ezra T., Conserved quantities in Einstein--Maxwell theory, 23:52002

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NEWMAN, G. B., Theoretical aspects of saturation and radioimmunoassay, 23:11946 (CONF-671111-, pp 59-100)

NEWMAN, J. B., Inelastic bowing of multispan fuel rods, 23:2135 (WAPD-TM-770)

NEWMAN, John B., Bowing in multispan fuel rods, 23:24043

NEWMAN, L., Reaction of HCl with liquid Na and Na--Ba alloy, 23:9273 (BNL-13063)

NEWMAN, R., Decay $\Sigma^+ \rightarrow \Lambda e^+ \nu$, 23:21045

$p \rightarrow \pi^+ \pi^-$ enhancements in the reaction $pp \rightarrow p \pi^+ \pi^-$ at 24.8 GeV/c, 23:8729

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NEWCOM, G. H., Oscillator strengths of the red auto-ionizing lines of calcium, 23:8408

NEWOME, R. W. Jr., Resonant final state interactions in $^3\text{He}(d, tp)^3\text{H}$, $^3\text{He}(t, tp)^4\text{He}$, and $^3\text{He}(d, tp)^4\text{He}$ reactions,

23:8922 (LA-3997)

NEWSON, H. W., Experimental high-resolution investigation and shell-model interpretation of the ^{49}Ca ground-state analog, 23:25879

Fine structure of isobaric analogue resonances in ^{43}Sc and ^{45}Sc , 23:3366

High resolution inelastic proton scattering near $A = 50$, 23:13246

High-resolution study of isobaric analog resonances in ^{23}Na , 23:15367

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NEWTON, A. A., Diffusion and stability of high- β plasma, 23:32461

Diffusion of high- β plasma in theta pinch, 23:48878

Linear theta-pinch experiments, 23:32462

NEWTON, Amos S., Metastable ions in mass spectra of N_2 , NO , N_2O , and NO_2 , 23:40523 (UCRL-18726)

Metastable species produced by electron excitation of N_2 , H_2 , N_2O , and CO_2 , 23:22882

NEWTON, C., Chemical--mechanical polish for tungsten, 23:6657

NEWTON, C. E. Jr., Tissue analysis for plutonium at autopsy, 23:24649

NEWTON, D., Activation analysis in vivo using 5-MeV incident neutrons, 23:7494

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NEWTON, D. A., Preparation of ^{151}Gd for Moessbauer spectrometry of ^{151}Eu , 23:43347

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Thermosphere density and temperature, 23:10509

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NEWTON, J. G., Structure in excitation functions of ($^3\text{He}, \alpha$) reactions on a number of alpha-type nuclei, 23:37121

NEWTON, K. A., Analysis of 40 cases treated by total thoracic irradiation, 23:35835

NEWTON, R. G., Does the Veneziano model have duality, 23:34663

NEWTON, R. H. C., Extraction of ions from a radio-frequency discharge, 23:16815

NEWTON, Roger G., Amplitude from differential cross section by unitarity, 23:15276

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NEWTON, T. W., Chloride catalysis of $\text{Np(III)} \rightarrow \text{Fe(III)}$ reaction, 23:2270

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NEXSEN, W. E. Jr., Decay modes of a dense plasma, 23:32327

NEY, E. P., Circumstellar infrared emission from cool stars, 23:20584

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NEY, J., Nuclear quadrupole moments of ^{39}K and ^{41}K , 23:30966

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NEYAZAKI, Toshihiko, New method for radiographic visualization of the bronchopulmonary lymphatic system, 23:38674

NEYNABER, R. H., Study of Na--O_2 collisions using merging beams, 23:16673

NEYRET, G., Proton synchrotron project of 23/45 GeV, 23:44800

NEYRON, A., Visual function generators in conjunction with a hybrid system, 23:16173 (CEA-CONF-1149)

NEZEL, K., Discrimination between ^{90}Sr and ^{137}Cs in laying hens following ingestion of contaminated food, 23:33613

Fallout contamination of hen eggs by ^{90}Sr and ^{137}Cs , 23:29466

NEZLIN, M. V., Drift instability of a non-Maxwellian plasma, 23:32452

NEZRICK, F. A., Branching ratio $(K/\text{sub } L^0 \rightarrow \mu \nu)/(K/\text{sub } L^0 \rightarrow \nu \nu)$, 23:42546

NG, Anne, Gamma rays from decay of ^{75}Ge and ^{77}Ge , 23:15392

NG, Edward W., Table of integrals of the error functions, 23:51818

NG, Harven, Residual injury in erythropoietic system of sheep after ^{60}Co gamma radiation, 23:33827 (AD-685234)

NG, K. C., Influence of the self-induced magnetic field on the stability of a plasma column in a longitudinal magnetic field, 23:44452

NG, Leung-kai, Re-investigation of excited states of ^{154}Gd , 23:40090

NG, M., Pulse radiolysis studies of reactions of primary species in H_2O , 23:47531

NG, P. H., New sum rules for vacuum Regge-pole parameters, 23:49157

NG, Y., Fate and importance of radionuclides produced in plowshare events, 23:29476 (UCRL-71443)

NG, Yook C., Estimation of the maximum dose to man from the fallout of radionuclides on agricultural land,

- 23:41318 (UCRL-71833)
Prediction of maximum dosage to man from fallout of nuclear devices, 23:8004 (UCRL-50163(Pt.4))
- NGAI, K. L., Interaction of ac Josephson currents with surface plasmons, 23:39436
- NGO, Tran Manh, Quantitation of certain alterations in intermediary metabolism in vivo associated with changes in body content of vitamins B₁, B₆, B₁₂, and folic acid using ¹⁴C₂ breath analysis, 23:29297 (UCRL-18832)
- NGO, Victoria B. T., Computer programs for improved equation of state (ES68Z and ES68M), 23:49684 (UCRL-19011)
- NGO KUOK BYU, Isotope equilibrium in system BF₃--tetrahydropyran complex of BF₃, 23:15936
- NGUYEN, D. C., Scattering of deuterons and alpha-particles by ⁶Li and ⁷Li, 23:34731
- NGUYEN, Dai-Ca, Reaction ¹¹B(α,⁷Li)⁸Be at 28.4 and 29.0 MeV, 23:8942
- NGUYEN, Dai-ca., Design and performance of a broad range magnetic spectrograph, 23:42820
- NGUYEN, Dong H., Contribution of the continuum to the neutron transient behavior in a pulsed multiplying cylinder, 23:4452
- Maximum eigenvalue in the pulsed-neutron initial-value problem, 23:4435
- NGUYEN, fan Hieu, Intermediate states in the t-channel, 23:42646
- NGUYEN, Q., Mirabelle and large bubble chambers, 23:29226
- NGUYEN HIU TEE, Electrical characteristics of the positive column in binary rare-gas mixtures with mercury vapors, 23:5426
- NGUYEN-HOANG-NGHI, Complexes MF₆, nNaF (M = U, W, Mo), 23:24141 (CEA-R-3732)
- NGUYEN-HOE, Stark broadening of hydrogen Balmer lines in plasmas, 23:16786
- NGUYEN HUI TI., Ionic current in the center of a cathode in a discharge with oscillating electrons in a magnetic field, 23:34405
- NGUYEN-KHAC, U., Applications of invariance principles in the physics of elementary particles, 23:10834
- Applications of invariance principles in the physics of elementary particles, 23:49178
- Neutral-decay mode of eta⁰ and ω⁰ mesons, 23:49060
- NGUYEN KONG KHAN, Production of spontaneously fissionable isomer ²⁴²Am at thermal neutron capture, 23:47021
- NGUYEN-NGOC, Hoan, Space synthesis: application of synthesis method to two and three dimensional multigroup neutron diffusion equations, 23:52103 (CEA-R-3713)
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- NIELSEN, Holger Bech, Manifestly crossing-invariant parametrization of n -meson amplitude, 23:49138
- NIELSEN, J. M., Prog. rpt. on biology and medicine, Vol. 2, Pt. 2, annual, 1967, 23:13668 (BNWL-715(Pt.2))
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 equilibration at low temperatures on oxides of first
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- Radiolytic behavior of solid malonic and succinic acids, 23:21761
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- Ionospheric and magnetic observations at 1000 kilometers, 23:44252 (N-69-21023)
- RADHAKANT, S., Elastic form factor of the ^6Li nucleus using improved radial wave functions, 23:13214
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- RICABARRA, M. D., Neutron activation resonance integrals of ^{74}Se , ^{76}Se , ^{80}Se , ^{81}Br , ^{127}I , ^{130}Te , ^{138}Ba , ^{140}Ce , and ^{142}Ce , 23:1869
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- Cosmic-ray negatron and positron spectra between 12 and 220 MeV, 23:27395 (N-69-15908)
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- Propagation of the sudden commencement of July 8, 1966, to the magnetotail, 23:1289
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- SUGLOBOVA, I. G., Complexes of U(IV) halides with ethyl acetate and acetonitrile, 23:28842
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- for a personal thermal conditioning system, 23:19901 (AD-670212)
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- Thermal coking capsule experiments on organic reactor coolant, 23:7546 (AI-AEC-Memo-12689)
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- SUNDELIN, Paer, Cytoplasmic ultraviolet extinction of ^{90}Sr induced osteosarcomas, 23:6576
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- Sensitive electrical direct determination of oxygen in gases and liquid metals applicable to technical use at high temperatures, 23:2177 (KFK-819)
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- Plasma effects for α particles and ^{16}O ions in Si detectors, 23:41000 (UIIP-649)
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- SUOMELA, Matti, Cesium-137 level in control group of the Institute of Radiation Physics, 1967, 23:33697 (SFL-A-12, pp 27-30)
- Whole-body counter measurements of K and its biological half-time in male subjects, 23:6351 (NYO-3446-11, pp 53-60)
- SUOMI, M., Heat transfer below 0.2°K, 23:16753
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- SUPIOT, Francis, Calculation of shock-wave in region close to underground nuclear explosion (method codes), 23:31441 (CEA-R-3736)
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- Resonance excitation of ion-cyclotron oscillations in a rotating plasma, 23:51725
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- SURA, J., Differential cross section and polarization in p - α scattering at 12, 14.2, and 17.5 MeV, 23:39932
- Polarization in elastic scattering of protons from deuterons from 11 to 22.7 MeV, 23:21255
- Polarization in the elastic scattering of 22.7-MeV protons from deuterons, 23:1790
- SURABYAN, A. S., Influence of γ -irradiation upon population dynamics and sex ratio in model populations of *Drosophila melanogaster*, 23:35860
- SURAL, D. P., Electron capture by protons from hydrogen molecules, 23:20693
- SURANYI, G., Azimuthal effects of two prong πN and three prong DD events produced by 17.2-GeV/c π^- mesons, 23:1595 (KFKI-26/1968)
- Observation of S^0 meson, 23:36930 (KFKI-13/1969)
- SURANYI, Gyoergy, Calculation of phase space integrals by Monte-Carlo-method, 23:18905
- Monte-Carlo-method in investigation of elementary particle interactions, 23:18830
- SURANYI, P., Closed expressions for the energy levels in broken symmetries and the general form for Regge daughter trajectories, 23:25663
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- Radioelectric emission from Cassiopeia A, 23:18327
- SUSUMI, A. N., Energy-loss spectrum of extensive air showers recorded by Haverah Park 500 m array, 23:46595
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- SZOEKEFALVI-NAGY, Z., Anomalous hyperfine field at recoiled Rh nuclei of low energy in $\text{Fe}_{51}\text{s--Rh}_{48}\text{s}$ alloy, 23:23674 (KFKI-3/1969)
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- SZUR, Leon, Influence of pH on the radioprotective action of cysteamine, 23:20268
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- SZYMCZYK, Wieslawa, Importance of beam centering in the rotation technique, 23:43826 (TT-67-56003/6, pp 830-4)
- SZYMCZYK, Wislawa, Calculation of the integral dose in patients with cervical cancer, 23:38571
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- T**
- TABACHENKO, A. N., Low-energy πN scattering, 23:32751
- TABACHNICK, Joseph, Cell population kinetics in radiation-induced hyperplastic epidermis, 23:35908
- Prog. rpt. on mechanism of increased extracellular epidermal DNase I activity after β -irradiation injury, annual, 4/15/68--4/15/69, 23:31641 (NYO-3445-18)
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- TABARDEL-BRIAN, Renee, Irradiation tests on bitumen and bitumen coated materials, 23:32072 (CEA-R-3730)
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- TABATA, T., Pulsed-radiation-induced current in crystalline and fused quartz, 23:38385
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- Ion cyclotron instability in the magnetic wells of DECA-II, 23:16836 (CEA-CONF-1004)
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- Recent measurements of the lower thermosphere structure, 23:16726
- TAFF, L. M., Computer program for automatic analysis of semiconductor detector spectra, 23:13987 (IS-1986)
- TAFF, Louis Michael, Nuclear decays of ^{97}Zr and ^{97}Nb , 23:32928 (IS-T-289)
- TAFFARA, L., Capture of negative pions by ^6Li , 23:8947
- Reaction mechanism in heavy-ion neutron tunnelling processes, 23:37341
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- TAGI-ZADE, S. B., Content of blood serum lipids following radium therapy, 23:43701
- Influence of sublethal doses of penetrating radiation on the distribution of various compounds of radioactive iron in the organs and tissues of the guinea pig, 23:24511
- TAGLIAFERRI, G., Study of (p,α) reactions in light nuclei at 38 MeV, 23:19195
- TAGLIAFERRI, G. L., Flux at 44 to 60 A during the ascending period of the solar cycle No. 20 (1964--67), 23:10410
- Solar Lyman-alpha variations in March and May, 1966, 23:5169
- Solar x-ray flux deduced from flare effects on vlf propagation, 23:27312
- TAGLIATI, S., Clinical and dosimetric study of a case of external irradiation in use of ^{60}Co source, 23:50539
- TAGLIAVINI, Giuseppe, Isotopic exchange and electrochemical studies on Redox system $\text{Ph}_3\text{Pb}_2/\text{Ph}_3\text{Pb}^+$, 23:156
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- Photoproduction of eta-mesons between 950 MeV and 2.2 GeV, 23:39594
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- TAKABAYASI, Takehiko, Group of relativistic internal motion, its unitary representation and wave equation,

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- Charged particles trajectory and potential distribution in a flat disk type acceleration tube and Einzel lens. II, 23:37062
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- Radiation detection with non-silver halide film, 23:22101
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- Kinetics of the steam cooled fast reactor, 23:43099
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- TAKAHASHI, Toshiaki, Effect of premeiotic ultraviolet irradiation in saccharomyces, 23:20161
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- TAKAKURA, Tatsuo, Interpretation of time characteristics of solar x-ray bursts referring to associated microwave bursts, 23:25108
- TAKAKURA, Yoshihisa, Enrichment of 6Li by ion exchange, 23:19854
- Enrichment of stable isotopes. I, 23:28969
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- Radiation-induced graft copolymerization of styrene to polyethylene single crystal aggregate film, 23:2309 (NSJ-tr-130)
- TAKAMI, Yasukiyo, Radiation damage in the silicon solar cell, 23:41185
- TAKAMORI, Y., Nucleic acid content and nucleic acid synthesis in *saccharomyces* cells after x irradiation,

- 23:14134
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- TAKAMURA, Shuichi, Ion wave damping in a nonuniform plasma, 23:44469
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- TAKANO, Fumihiko, Kondo effect in superconductor, 23:39403
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- TAKANO, Hideki, Concept of group constants in resonance energy region. I, 23:46907
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- TAKATA, Kazuo, Retention, excretion, and blood concentration of ^{137}Cs by rat, 23:43665
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- TURCOTTE, R. E., Simple versatile cryostat for encapsulated detectors, 23:43534
- TURCOTTE, Rheel P., Prog. rpt. on solid state chemistry of rare earth oxides, annual, 1968--69, 23:43287 (COO-1109-46)
- TURCOU, Gr., Respiratory capacity of rats subjected to internal irradiation with ^{32}P , 23:29789
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- Proteolytic activity of in vitro irradiated blood cells. III, 23:20321
- TURKEVICH, Anthony, Prog. rpt. on nuclear chemistry, annual, 12/15/67--12/15/68, 23:21330 (COO-1167-6)
- Zinc-65, Ni, Cu, and Zn contents of Bogov iron meteorite, 23:49752
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- WEILBACHER, Jean-Claude, Thermal diffusivity measurements between 0°C and 2000°C: application to UO_2 , 23:27163 (CEA-R-3764)
- WEILER, K. W., East-west Fourier transforms of polarization parameters of radio sources at 1418 MHz, 23:44064 (AD-679897)
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- WEILER, P., Nucleon trajectory degeneracy in backward photoproduction, 23:49090
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- WEIMER, Katherine E., Application of energy principle to axisymmetric devices, 23:51714
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- WEINBERG, A., Multiple pion production in K^+ -proton collisions at 3.5 GeV/c, 23:23366
- WEINBERG, D. S., Fragmentation of organic compounds on electron impact. VI, 23:49803
- WEINBERG, Michael, Pseudopotential method for inelastic processes in atoms and molecules. I, 23:27374
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- WEINGART, J. M., Polarized positron annihilation in ferromagnetic gadolinium, 23:1162
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- WEINSTEIN, G., Sigma leptonic decay using an HPD in a pattern recognition mode, 23:33504 (ANL-7515, pp 256-65)
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 Theorem on form factors in $K/\text{sub } 13/\text{ decay}$, 23:32694
- WEINSTEIN, Richard H., Computer experiments on the microscopic behavior of one-dimensional plasmas, 23:27628 (N-69-10471)
- WEINSTEIN, S., Low-energy ^{235}U anti ν measurements, 23:5931
- WEINSTEIN, Simon, Neutron multiplicity-spin state correlations for ^{239}Pu resonances, 23:13290
- WEINSTEIN, Suzanne T., Effects of reactor radiation on 22-volt silicon voltage regulator diodes, 23:26630 (N-69-10250)
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- WEINSTOCK, Albert, Prog. rpt. on effect of whole-body ionizing irradiation on activity levels of blood serum enzymes, final, 3/23/65--5/15/67, 23:16220 (AD-664176)
- WEINSTOCK, Eugene V., Criticality measurements on nearly homogeneous enriched uranium-graphite systems, 23:4382
- WEINSTOCK, Harold, Prog. rpt. on thermal measurements on solids below 1°K, 2/69, 23:23240 (COO-1629-13)
- WEINSTOCK, Jerome, Formulation of a statistical theory of strong plasma turbulence, 23:30557
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- WEINZIERL, Peter, Measurement of angular correlation coefficient in neutron decay, 23:44585 (AD-685789)
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- WEIR, J. R., Irradiation behavior of cladding and structural materials, 23:6044 (ORNL-TM-2258)
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 WEISERT, E. D., Conference on refractory metal alloys.
 Metallurgy and technology, Washington, D. C., 4/68,
 23:18221
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 WEISMAN, I. D., Resonance studies in ferromagnetic Fe_2B and
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 33(Rev.))
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 bibliography, 23:48292 (ORNL-IIC-25)
 WEISS, H., Quartz as emitter of Cherenkov radiation for
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 WEISS, H. M., International comparison of solution of ^{54}Mn ,
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 WEISS, Volker, Conference on surfaces and interfaces,
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 WEISS, J., Characteristics of the turbulent diffusion of a
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WEISSENBERG, J. F., Conference on fast reactor systems,
 materials, and components, Cincinnati, 4/68, 23:11155
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 WEISSENSTEIN, H., Kidney investigations with ^{131}I -labeled-
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 346-54)
 WELANDER, Arthur D., Bikini--Eniwetok studies, 1964,
 23:9909 (UWFL-93(Pt.1))
 Bikini--Eniwetok studies, 1964, 23:9944 (UWFL-93(Pt.2))
 Prog. rpt. on effects of irradiation, temperature, and
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- 23:14569
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- Effect of steam density on reactivity in three steam cooled fast breeder reactors, 23:31158 (ORNL-TM-2582)
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- Neutral H distribution and dynamics in galaxies. II, 23:36450
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- Study of some ^3He -induced reactions on ^{13}C and structure of ^{16}O , 23:8945
- WELLER, Henry Richard, Reaction $^{13}\text{C}(^3\text{He}, \alpha)^{12}\text{C}$ and structure of ^{16}O , 23:7232
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- WELLS, C. H., Low-cycle fatigue crack initiation in Ti-6Al-4V, 23:22542
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- WELLS, K. J., Automated thermal analysis of nuclear reactor components, 23:38159 (CONF-690401-, pp 519-41)
- AUTOTEM: computer program for automated geometry meshing and heat conduction calculation, 23:50028 (WANL-TME-1873)
- WELLS, M. B., Calculations of fission-product gamma-ray doses in single-compartment above-ground concrete structures, 23:1505 (RRA-M-85)
- Simplified method for calculating nitrogen-capture and fission-product gamma-ray doses inside underground concrete structures, 23:1506 (RRA-M-71)
- Simplified method for calculating nitrogen-capture and fission-product gamma-ray doses inside underground concrete structures, 23:48958 (RRA-M-71-A(Rev.))
- X-ray transport in a spherical-shell atmosphere, 23:36768
- WELLS, M. R., Crystal growth and magnetic susceptibility of rare-earth compounds. II, 23:1520
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- WELLS, W. M., Calculation of shrinkage of Salmon cavity, 23:29035
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- WELLS, William M., Feasibility of pumping liquid Li in thermonuclear reactor blanket, 23:23181 (UCRL-50544)
- WELSCH, James E., Method of local configuration interaction applied to electronic systems, 23:51373
- WELSH, R. E., Energy and width measurements of the pionic $2p \rightarrow 1s$ transition in ^{23}Na , 23:1174
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- WELTIN, E., Nonorthogonal natural orbitals from open-shell configuration-interaction calculations, 23:41990
- WELTLE, D., Evidence for a 0^+ level of ^{56}Fe at 2.56 MeV, 23:37183
- Gamma-ray-triple correlation measurements on ^{56}Fe , 23:7274
- WENDE, B., Stark broadening of carbon I spectral lines in an arc plasma, 23:34404
- WENDE, C. D., Solar flare of July 8, 1968, 23:30270
- Solar flare of July 8, 1968, 23:44094 (AD-684438)
- WENDE, Carollee M., Intestinal flora in whole-body and intestinal x-irradiated rats, 23:6620
- WENDE, Charles D., Correlation of solar microwave and soft x-ray radiation. II, 23:39347 (N-69-24050)
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- Erythropoietic response in dogs given sublethal whole body proton irradiation followed by hypoxic hypoxia, 23:29573 (UCRL-18347, pp 71-81)
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- WINCHELL, Perrin, Cloud chemistry of fallout formation, 23:47641 (AD-690189)
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- Two-variable expansions of relativistic amplitudes and subgroups of $\text{SU}(2,1)$ group, 23:32780
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- WINTHER, Aage, Non-relativistic electromagnetic multipole--multipole interaction between two disjoint charge distributions, 23:37330
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- WINTON, J., Strength of Zr--2 1/2 percent Nb alloy in annealed and cold-worked condition, 23:32042 (TRG-Report-1786)
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